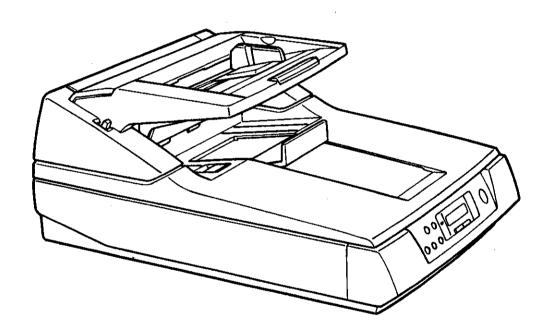
ORDER NO. KM79901330C0

Service Manual

Scanner

KV-S6045W KV-S6045WU KX-S6040W KX-S6040WU



⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

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CONTENTS

SECTION 1 GENERAL PRECAUTIONS	1 -	. 1
1.1 Safety Precautions	.1 •	- 1
1.2 Electrical Tests	.1	- 1
1.3 For Service Technicians	.1	- 1
SECTION 2 SPECIFICATIONS	2 -	. 1
SECTION 3 COMPONENT IDENTIFICATION		
SECTION 4 INSTALLATION		
4.1 Installation		
4.2 Minimum Space Requirements		
4.3 SIMM Module Extension		
4.4 Installing SIMM Modules		
4.5 Installing the SCSI Board		
4.6 Connecting the Unit to a Host Computer		
4.7 LCD Settings		
SECTION 5 SECTIONAL VIEWS		
SECTION 6 MECHANICAL FUNCTION		
6.1 Paper Feed Mechanism		
6.2 Manual Feed Mode		
6.3 Paper Feed Roller/Hopper Lift Drive Mechanism		
6.4 Hopper Lift Mechanism		
6.5 Optical Unit		
SECTION 7 MAINTENANCE		
7.1 Maintenance Chart		
7.2 Roller Cleaning/Paper Feed Roller, Separation Roller, Retard Roller		
7.3 Paper Cleaning/Conveyor Roller 1-5		
7.4 Replacing Limited Life Parts		
SECTION 8 DISASSEMBLY INSTRUCTIONS		-
8.1 Disassembly Flowchart		
8.2 Exterior		
8.3 Unit Components		
8.4 Circuit Board Assemblies		
SECTION 9 OPERATION		
9.1 Specification		
9.2 Operation-1 (User Mode)		
9.3 Operation-2 (Service Mode)	.9	- 3
9.4 Setting List	.9	- 4
9.5 Setting Operation (User Mode)	.9	- 6
9.6 Setting Operation (Service Mode)	9 -	11
9.7 Error Code		
SECTION 10 TROUBLESHOOTING 1	0 -	- 1
SECTION 11 BLOCK DIAGRAM 1	11 -	- 1
SECTION 12 CIRCUIT BOARDS 1	2 -	- 1
SECTION 13 SCHEMATIC DIAGRAM 1	 3 -	- 1
SECTION 14 PARTS LOCATION AND MECHANICAL PARTS LIST 1	4 -	- 1
SECTION 15 REPLACEMENT PARTS LIST		

SECTION 1 GENERAL PRECAUTIONS

1.1 Safety Precautions

- 1) Before servicing, unplug the power cord to prevent electrical shock hazard.
- 2) When replacing parts, use only manufacturer's recommended components for safety.
- 3) Check the condition of power cord. Replace if wear or if damage is evident.
- 4) After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
- 5) Before returning the serviced equipment to the customer, perform the following electrical tests to prevent a shock hazard.

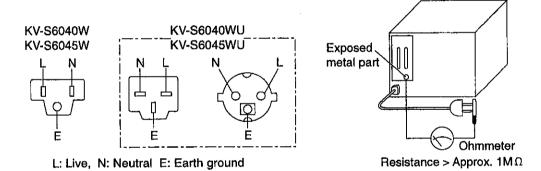
1.2 Electrical Tests

- 1) Unplug the power cord and check for continuity between the earth ground connection on the plug and the metal cabinet. There should be zero ohm resistance found.
- 2) With the unit unplugged, short the AC Live-Neutral of the plug with a jumper wire.
- 3) Turn ON the power switch.
- 4) Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads, etc.

Note: Some exposed parts may be isolated from the chassis by design. They read infinity.

5) If the measurement is less than 1 $M\Omega$, a possibility for electric shock may exit.

Note: This hazardous condition must be corrected before the unit is returned to the end user.



1.3 For Service Technicians

ICs and LSIs are vulnerable to static electricity.

When repairing, the following precautions will help to prevent recurring malfunctions.

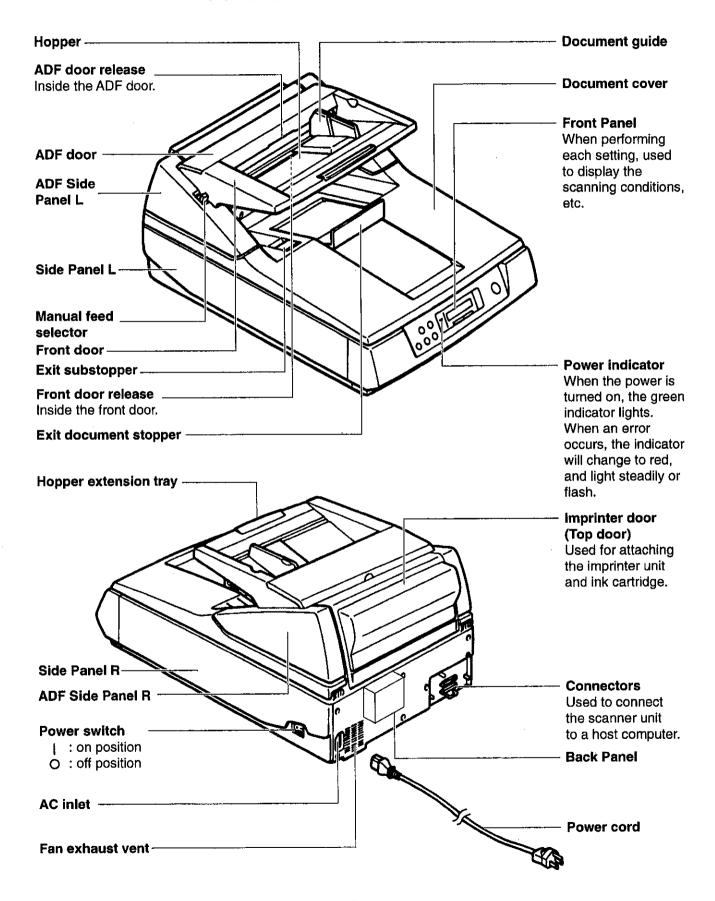
- 1) Cover the plastic parts with aluminum foil.
- 2) Ground the soldering irons.
- 3) Use a conductive mat on the worktable.
- 4) Do not grasp IC or LSI pins with bare fingers.

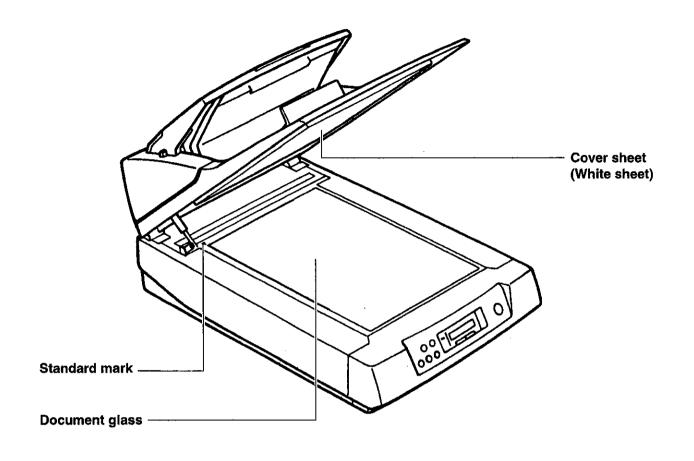
SECTION 2 SPECIFICATIONS

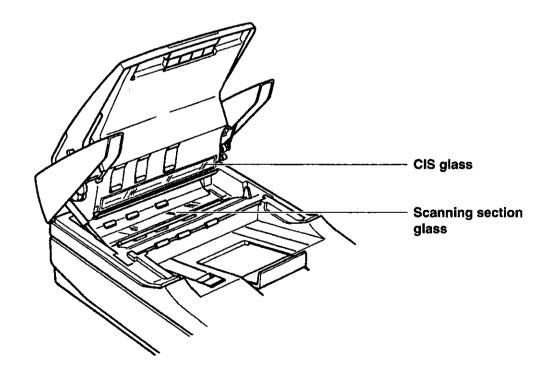
Item		Model No.	KV-S6040W KV-S6040WU	KV-S6045W KV-S6045WU					
	Scanning face		Simplex scanning	Duplex scanning					
			- Chilpton Countring	ADF front side/Flatbed :					
	Scanning metho	od	CCD image sensor	CCD image sensor					
				ADF back side :					
		Flatbed	1.5 sec (1 paper, letter size, 200 d	CIS (Contact Type Image Sensor)					
		rialbed	Simplex scanning : Approx. 45 sh						
	Readout		, , , , , , , , , , , , , , , , , , , ,	gthwise, 200 dpi)					
	speed	ADF	Duplex scanning : Approx. 41 sh	- , ,					
			(KV-S6045W only) (Letter, fed length						
			Main scanning direction : 100						
	Resolution	Flatbed/	_	0~600 dpi (1 dpi step)					
		ADF	The optical resolution is 400 dpi.						
	Tonal avadation		Binary mode, Grayscale mode (2/4/8 bit), 64-step gradation, (dither) mode						
	Tonal gradation		64-step gradation (error diffusion) m	node					
Scanner	Image control		Image emphasis, Automatic threshold, Automatic separation,						
	image control		Monochrome reversing, Automatic back control						
		Size for Flatbed	~298×432mm (11.7×17 in.)						
			Scanning size						
			70×169mm (2.8×6.7 in.), and						
	Paper	Size for	106×148mm (4.2×5.8 in.) to 298×43	2mm (11.7×17 in.)					
		ADF	Feeding size						
			70×169mm (2.8×6.7 in.), and						
			106×148mm (4.2×5.8 in.) to 305×43	2mm (12×17 in.)					
		Thickness		0.05 to 0.15mm (2.0 to 5.9 mils)					
		for ADF	Continuous paper feeding : 0	0.06 to 0.15mm (2.4 to 5.9 mils)					
				Note : 1 mil = 1/1000 in.					
		Weight		0 to 127g/m ² (10.6 to 34 lbs.)					
		for ADF	<u> </u>	50 to 127g/m² (13 to 34 lbs.)					
	Hopper capacit		200 sheets [64g/m² (17 lbs.) un use	ed paper]					
	External dimen		464×717×296mm (18.3×28.2×11.7 i	n.)					
	(Width×Depth×	Height)		······					
	Mass (Weight)	· · · · · · · · · · · · · · · · · · ·	30kg (66 lbs.)	NALIO DE ATILIO					
Unit	Power requirem	ent	AC100 - 120V, 50/60Hz (KV-S6040	•					
		Massianuan	AC220 - 240V, 50/60Hz (KV-S6040	WU/S6045WU)					
	Daway	Maximum (Scanning)	1.8A (KV-S6040W/S6045W) 1.0A (KV-S6040WU/S6045WU)						
	Power consumption	Minimum	0.5A (KV-S6040W/S6045W)						
	Consumption	(Standby)	0.3A (KV-S6040W/S6045WU)						
Operating Environment	Operating temp	· · · · · · · · · · · · · · · · · · ·	15°C to 30°C (59°F to 86°F), 30% to	80% RH					
Storage Environment	Storage temper	rature	0°C to 35°C (32°F to 95°F), 10% to 80	0% RH					
Option	Roller exchange		, Imprinter unit (KV-SS010), Red lamp , Ink cartridge (KV-SS06)	option (KV-SS045),					

[&]quot;Weight in pounds" of paper represents the weight of 500 [432×559mm (17×22 inches)] sheets.

SECTION 3 COMPONENT IDENTIFICATION





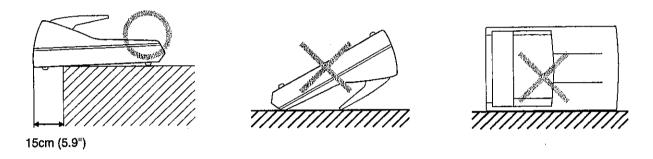


SECTION 4 INSTALLATION

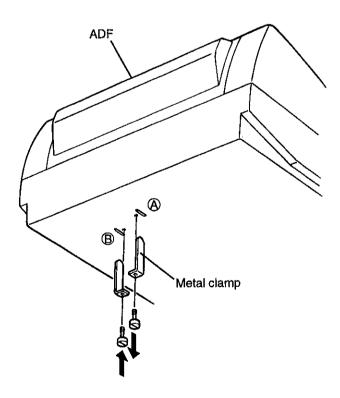
4.1 Installation

In order to ensure the scanner's safety while it is being transported, its optical unit is secured by a metal clamp. Once the scanner has been put in the place where it is to be installed, change the position of the metal clamp by following the steps outlined below.

- 1) Place the scanner is such a way that its left area protrudes by about 15cm (5.9") from the edge of a table.
 - Do not turn it upside down or stand it on its side.
 - When placing the scanner on a table, be careful not to extend beyond the edge 15cm (5.9"). Otherwise, the scanner may fall.

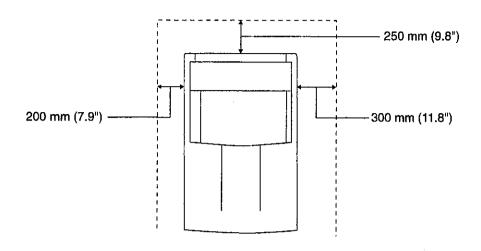


2) Remove the metal clamp on the bottom of the scanner from position (A) and attach it at position (B) instead.



4.2 Minimum Space Requirements

Be sure to maintain the recommended space requirements for proper ventilation.



4.3 SIMM Module Extension

A maximum of 64 MB extended memory may be required depending on the combination of the paper size, resolution and gray scale mode.

(For example, to scan a two-sided A4 size document with 600 dpi, binary, etc.)

To determine how much extended memory is required, refer to Table 1 on page 2 of the Panasonic Image Enhancement Technology Operation Manual.

* Recommended SIMM

- 1) 72 pin
- 2) 32 bit, NON PARITY
- 3) Access Time: 70 nsec or less
- 4) 8 MB, 16 MB or 32 MB may be used for a maximum total of 64 MB in 2 connectors.

4.4 Installing SIMM Modules

Insert the SIMM modules into the connectors on the SCSI Board at an angle (1), then push them in the direction of the arrow holding both sides (2) until they click into place.

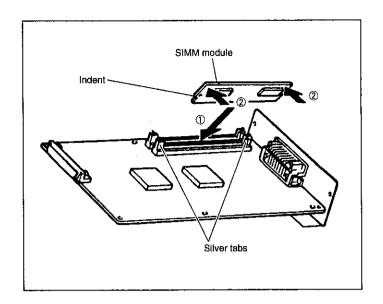
- The SIMM can be attached to either of the 2 connectors.
- 2 SIMM modules can be attached for the required
 size

(EX.) 8 MB + 8MB = 16 MB

* Required Memory Size for each scanning mode is shown on 4-4 and 4-5 pages.

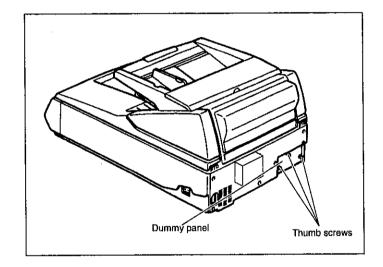
Note:

- Be sure that the indent is to the left side, or the SIMM module will not be in the proper position.
- To remove the SIMM modules, press the silver tabs at both sides of the connectors.



4.5 Installing the SCSI Board

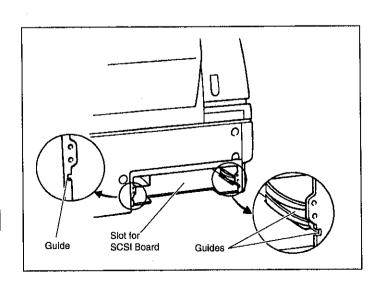
- 1) Make sure the Power is OFF.
- 2) Remove the 3 thumb screws.
 - These screws will be used in step 5.
- 3) Remove the dummy panel.
 - Store the dummy panel in a safe place for future use.



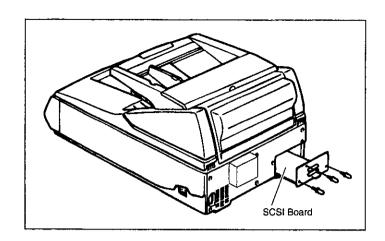
- 4) Insert the SCSI Board into the unit along the rails and push it in firmly.
 - Confirm that the SCSI Board plate is fully inserted until it firmly locks in place.
 - •After removing the dummy panel, do not insert your hand into the slot for SCSI Board.

Warning

Installing or removing the SCSI Board while the Scanner is ON may result in damage to the Board, as well as the Scanner.



- 5) Secure the SCSI Board with the 3 thumb screws.
- 6) Install the scanner driver software in your computer according to the enclosed manuals.



Additional Memory Size each scanning mode (MB)

Simplex/8bit

dpi		<u>-</u>	Reso	lution		
Size	100	200	300	400	500	600
A3	0	0	16	24	40	64
A4	0	0	8	8	16	32
A 5	0	0	0	0	8	16
A6	0	0	0	0	0	8
B4 (JIS)	0	0	8	16	32	48
B5 (JIS)	0	0	0	8	16	24
B6 (JIS)	0	0	0	0	8	8
Double Letter	0	0	16	24	40	64
Legal	0	Ó	8	16	24	40
Letter	0	0	8	8	16	32

Duplex/8bit

dpi	dpi Resolution								
Size	100	200	300	400	500	600			
A3	0	8	32	56	-				
A4	0	0	16	24	40	64			
A 5	0	0	8	8	16	32			
A6	0	0	0	0	8	16			
B4 (JIS)	0	8	24	40	64				
B5 (JIS)	0	0	8	16	32	48			
B6 (JIS)	0	0	0	8	16	24			
Double Letter	0	8	32	56	-	_			
Legal	0	8	16	32	56	-			
Letter	0	0	16	24	40	64			

Simplex/4bit

dpi	pi Resolution										
Size	100	200	300	400	500	600					
A3	0	0	8	8	16	32					
A4	0	0	0	0	8	16					
A5	0	0	0	0	0	8					
A6	0	0	0	0	0	0					
B4 (JIS)	0	0	0	8	16	24					
B5 (JIS)	0	0	0	0	8	8					
B6 (JIS)	0	0	0	0	0	0					
Double Letter	0	0	8	8	16	32					
Legal	0	0	0	8	8	16					
Letter	0	0	0	0	8	16					

Duplex/4bit

dpi			Reso	lution		
Size	100	200	300	400	500	600
A3	0	0	16	24	40	64
A4	0	0	8	8	16	32
A 5	0	0	0	0	8	16
A6	0	0	0	0	0	8
B4 (JIS)	0	0	8	16	32	48
B5 (JIS)	0	0	0	8	16	24
B6 (JIS)	0	0	0	0	8	8
Double Letter	0	0	16	24	40	64
Legal	0	0	8	16	24	40
Letter	0	0	8	8	16	32

Simplex/Binary

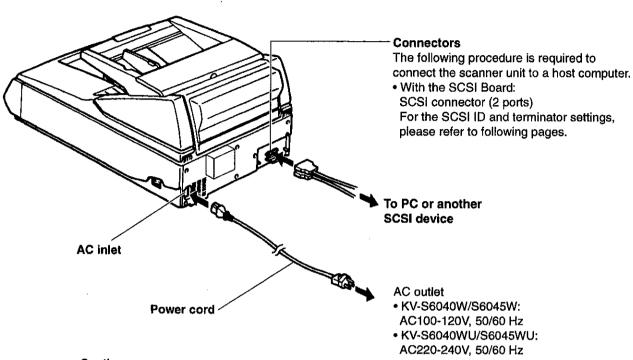
dpi			Reso	lution		
Size	100	200	300	400	500	600
A3	0	0	0	0	0	8
A4	0	Ö	0	0	Ö	0
A 5	0	0	0	0	0	0
A6	0	0	0	0	0	0
B4 (JIS)	0	0	0	0	0	0
B5 (JIS)	0	0	0	0	0	0_
B6 (JIS)	0	0	0	0	0	0
Double Letter	0	0	0	0	. 0	8
Legal	0	Ö	0	0	0	0
Letter	0	0	0	0	0	0

Duplex/Binary

dpi			Reso	Resolution					
Size	100	200	300	400	500	600			
A3	0	0	0	0	8	16			
A4	0	0	0	0	0	8			
A5	0	0	0	0	0	0			
A6	0	0	0	0	0	0			
B4 (JIS)	0	0	0	0	8	8			
B5 (JIS)	Ö	0	0	0	0	0			
B6 (JIS)	0	0	0	0	0	0			
Double Letter	0	0	0	0	8	16			
Legal	0	0	0	0	0	8			
Letter	0	0	0	0	0	8			

4.6 Connecting the Unit to a Host Computer

Please refer to the "Installation Instructions for the SCSI Board and SIMM Module" enclosed with the unit to install the SCSI Board.

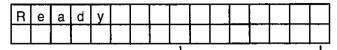


Caution:

Set the power switch on the scanner and on the host computer to OFF before connecting the interface cable. Use only with the power cord that is supplied by the manufacturer.

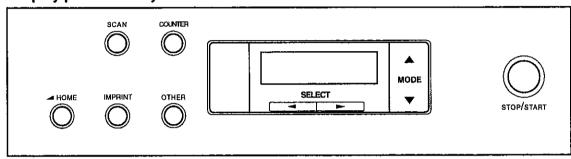
4.7 LCD Settings

Before scanning the document, perform the preferred settings on the display. Setting information and scanner conditions are shown on the display.



After scanning, the counter amount will be displayed.

Display panel and keys



: Press to enter the scanning setting menu.

COUNTER
: Press to enter the counter setting menu.

IMPRINT : Press to enter the imprinter setting menu.

: Press to enter other setting menu.

 Press to exit from the setting section and return to the ready status. Also used to change the display language.

stopstart : Used to stop or start scanning a document.

:

Up to 32 characters can be displayed during scanning or setting.

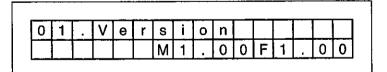
Press to advance to the next mode in the selected menu.

 Press to return to the previous mode in the selected menu.

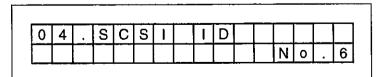
Press to advance to the next value in the selected mode.

Press to return to the previous value in the selected mode.

Press the OTHERS key.
 Enters setting modes other than SCAN,
 COUNTER, or IMPRINT and displays the version.



Press the MODE key.
 Press the MODE key [▲] to display the SCSI ID, which is the fourth setting.



3) Press the SELECT [◀] key or [▶] key to select the desired setting.

The [▶] key moves to the next ID as shown below.

The [◀] key moves to the previous ID.

0	4	Ŀ	S	С	S	1	-	D					
	į									Z	0	7	

4) Press the MODE key [▲] to switch to the terminator setting.

To activate the SCSI ID settings, press the HOME key to return to "READY", then turn the unit off and on.

0	5	•	Τ	Φ	r	m	i	n	а	t	0	r			
									D	i	s	а	b	1	е

n

e r m

5) Press the SELECT [◀] key or [▶] key to select the desired setting.

The [▶] key moves to the next content as shown below.

The [◀] key moves to the previous content.



Note:

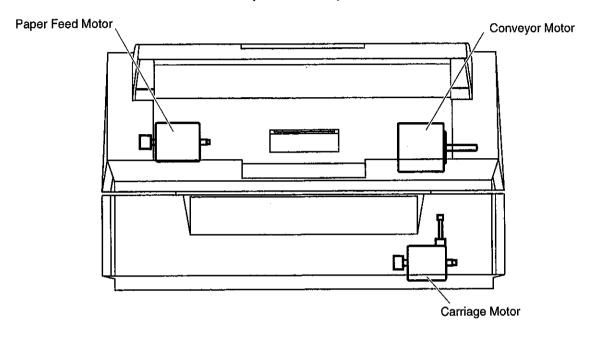
• In case Scanner is located to terminal position on SCSI bus physically, this operation should be set to "Terminator Enable".

0 5

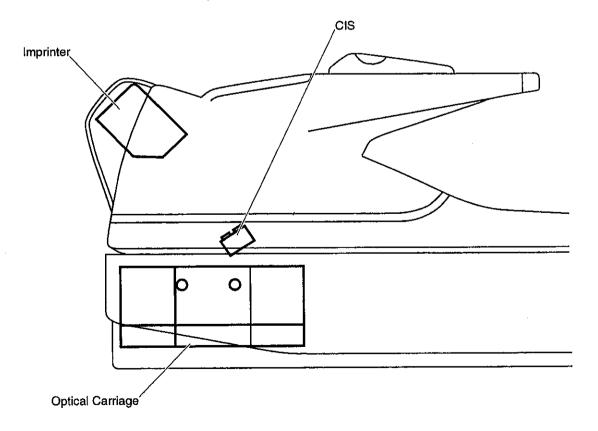
- Setting the SCSI ID will be activated after turning the power OFF and turning it ON again.
- Setting the terminator will be activated after turning the power OFF and turning it ON agian.

SECTION 5 SECTIONAL VIEWS

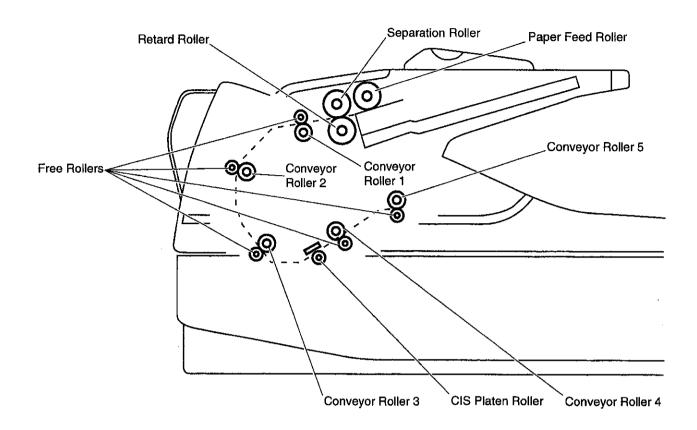
Motors (Front View)



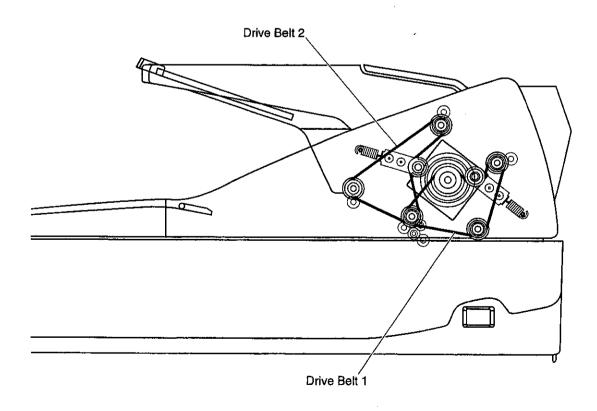
Optical Units and Imprinter



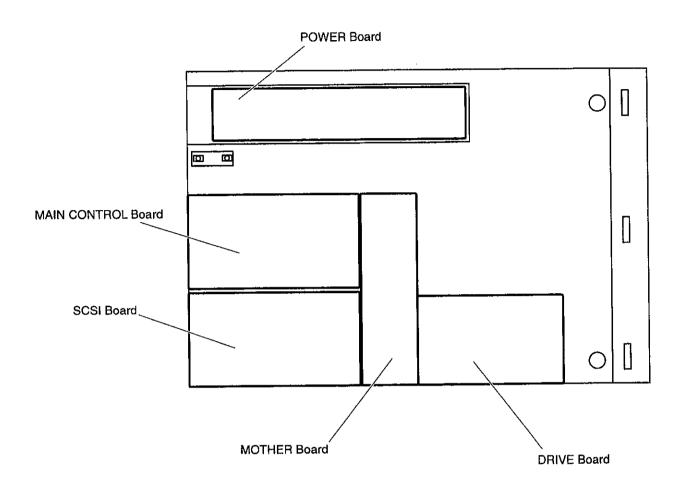
Rollers

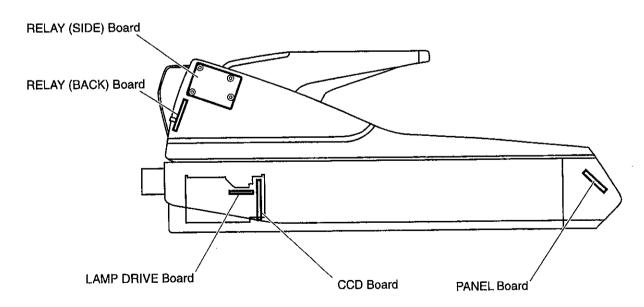


Drive Belts

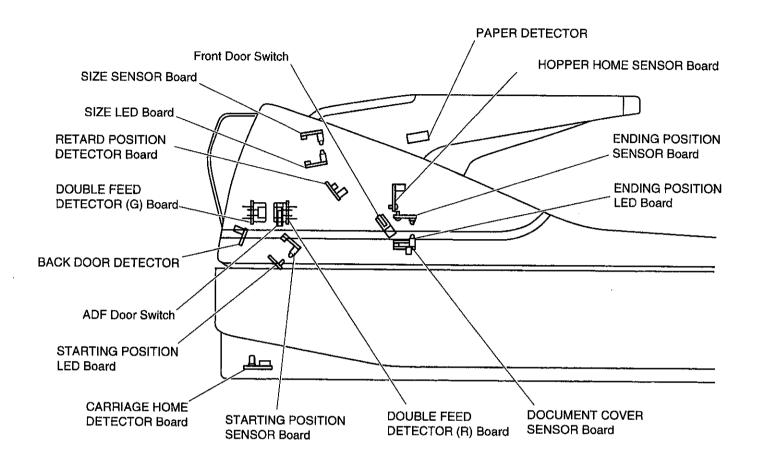


Circuit Boards



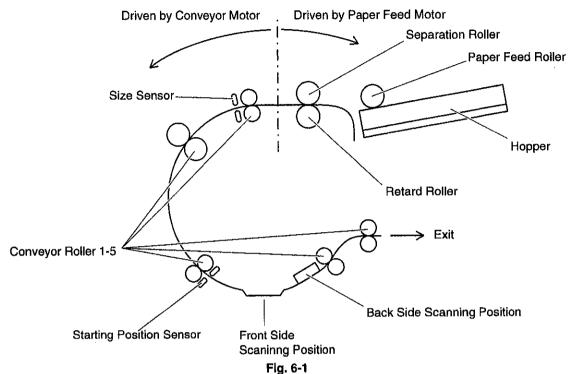


Sensor Boards and Switches



SECTION 6 MECHANICAL FUNCTION

6.1 Paper Feed Mechanism



- (1) When the paper is set on the Hopper, and the scanning command is issued from PC, the Hopper rises and the paper will be brought into contact with Paper Feed Roller.
- (2) The Conveyor Motor activates to rotate the Conveyor Roller 1 through 5.
- (3) The Paper Feed Motor activates to rotate the Paper Feed and Separation Rollers. The Paper Feed Roller picks up a page. A spring attaches the Retard Roller to the Separation Roller. The supporting axis of the Retard Roller is connected to the fixed gear through the torque limiter and the timing belt's gear train. In case there is only one page picked up between Separation Roller. The Retard Roller rotates in the direction which the Separation Roller rotates by allowing the Retard Roller to slip on the torque limiter. If there are two or more pages between Separation Roller and Retard Roller, torque limiter is set so that the load of the torque limiter increases accordingly, to allow slip friction for each pages. As a result of this, only the top page passes through the conveyor section, and the additional pages are prevented from passing through.

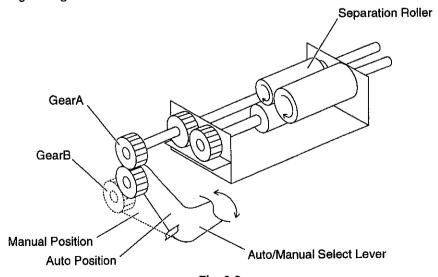


Fig. 6-2

- (4) When the top of the paper passes through on Size Sensor via Separation / Retard Roller and Conveyor Roller, Paper motor stops.
- (5) When the top of the first page reaches to Scanning Position, CCD sensor and or CIS is driven to scan. And by using the above sensors, scanning process starts.
- (6) When the end of the paper passes through on CIS(Back Side Scanning Position), Conveyor Motor stops, Scanner waits for next scanning start command from PC. At this time, if no following paper to scan, the current scanning paper is gone out.
- (7) When the end of the first page passes through on the Size Sensor on the continuous scanning mode, Paper Feed Motor starts again after an interval of approx. 100mm on duplex mode(approx.60mm on simplex mode) and feed the following paper through the conveyor section.
- (8) Repeat the above (3) to (8).
- (9) After finishing all scanning process, Hopper goes down to the original position and the series of Scanning sequence ends.

6.2 Manual Feed Mode

- (1) For multiple sheet's scanning, there is possibility that the first page and the second page will be separated, and the paper will be torn if paper is scanned while the Retard Roller is locked.
- (2) When Auto/Manual Select Lever is set to "Auto", the Gear fixed with lever is connected to the Retard Roller. Thereby, The Retard Roller is locked through torque limiter.
- (3) When Auto/Manual Selector Lever is set to "Manual", the Gear B fixed with lever is free from Gear A connected to the Retard Roller. In this case, the Retard Roller operates as free roller for the Separation Roller, and does not operate paper separation function because the Retard Roller rotates independently.

6.3 Paper Feed Roller/Hopper Lift Drive Mechanism

- (1) Paper Feed Motor drives either Paper Feed Roller mechanism or Hopper Lift mechanism by selecting the direction of rotation.
- (2) The drive system is shown on Fig.6-3.
 - (a) The gear block ① belongs to Drive system for Paper Feed Roller and Separation Roller.
 - (b) The gear block 2 belongs to Drive system for Hopper Lift.
 - (c) The gear block 3 belongs to Drive system for Paper Feed Roller, Separation Roller, and Hopper Lift in common.

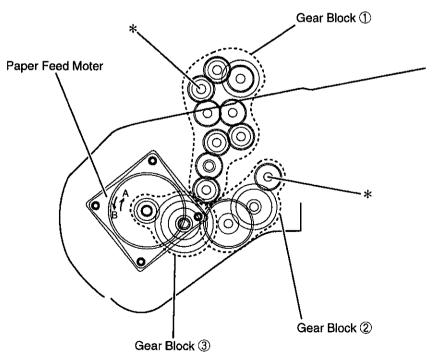


Fig. 6-3

(3) When the Paper Feed Motor drives in the direction of arrow A, Paper Feed Roller is activated, based on Output axis. On the other hand, when the Paper Feed Motor drives in the direction of arrow B, Hopper lift mechanism is activated. Gears marked with " * " on Each Gear block have one way clutches. when the gears are activated to rotate against the direction of normal rotation, the one way clutches slipped and the series of rotation are not transmitted to the mechanical block.

6.4 Hopper Lift Mechanism

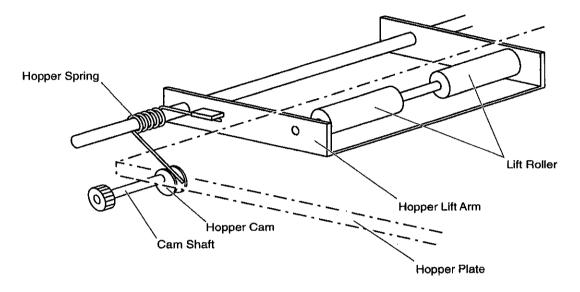


Fig. 6-4

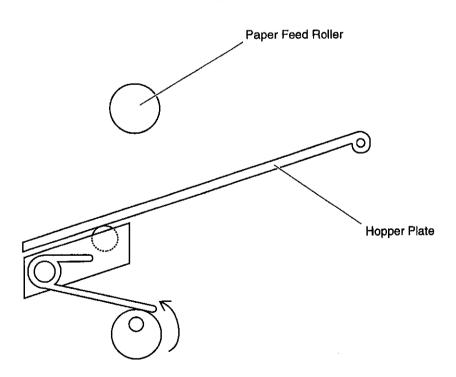


Fig. 6-5

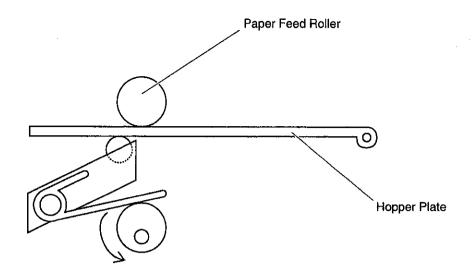


Fig. 6-6

- (1) Hopper Plate is mounted on Lift Roller of Hopper Lift Arm.
- (2) Hopper Lift Arm is supported by Hopper Cam through Hopper Spring.
- (3) Hopper Cam is an eccentric type cam, and is connected to Hopper Lift Gear block mentioned in Fig. 6-3.
- (4) When Hopper cam is in condition as shown in Fig. 6-5, the paper can be set.
- (5) When the Hopper cam rotates in the direction of arrow as shown in Fig. 6-6, it pushes up Hopper spring, and enables to paper feeding by attaching Hopper Plate to Paper Feed Roller.
- (6) And when the Hopper cam still more rotates in the direction of arrow, the cam rotates until the position as shown in Fig. 6-5, and Hopper Plate goes down.

6.5 Optical Unit

The light reflected from the paper surface is transmitted via mirrors $A \Rightarrow B \Rightarrow C \Rightarrow D \Rightarrow E$, and is transmitted to CCD surface through the lens at last.

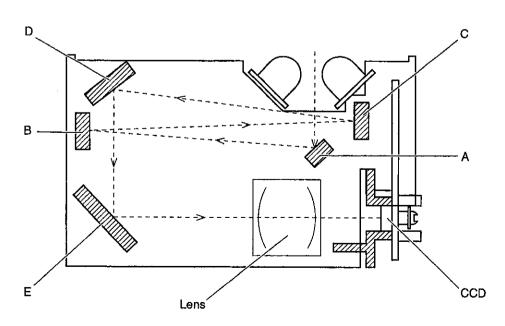


Fig. 6-7

SECTION 7 MAINTENANCE

7-1 Maintenance Chart

C: Clean R: Replace

(x1000 sheets)

C: Clean R: Replace		(X1000 Sileets								
Description	Part No.	50	100	150	200	250	300			
Paper Feed Roller	PBDRA0081Z	С	С	С	С	С	R			
Separation Roller	PBDRA0082Z	С	С	С	С	С	R			
Retard Roller	PBDRA0083Z	С	С	С	С	· C	R			
Conveyor Roller 1	PBDRA0084Z	С	С	С	С	С	С			
Conveyor Roller 2	PBDRA0085Z	С	С	С	С	С	С			
Conveyor Roller 3	PBDRA0085Z	С	С	С	С	С	С			
Conveyor Roller 4	PBDRA0084Z	С	С	С	С	С	С			
Conveyor Roller 5	PBDRA0084Z	C	С	С	С	С	С			
ADF Target Glass	PBMDA0480Z	C	С	С	С	С	С			
ADF White Sheet	PBHEA0103Z	С	С	С	С	С	С			
Free Roller	PBDRA0029Z	С	С	С	С	С	С			
CIS Platen Roller	PBDRA0086Z	С	С	С	С	С	С			
Cold Ray Flourescent Lamp	CFX12AYG/36H	Lightin	g period	1000 hou	rs					

Note: Whenever black line occurs on scanning image, clean ADF Target Glass, ADF White Sheet, and CIS Platen Roller, disregarding the above value.

7.2 Roller Cleaning / Paper Feed Roller, Separation Roller, Retard Roller

- (1) Turn off the Power.
- (2) Open the Front Door.
- (3) Clean the surface of Paper Feed Roller and Separation Roller with cleaning paper.(KV-SS03)
- (4) Clean the surfaces of Retard Roller with Cleaning Paper(KV-SS03), when Roller Cleaning message is indicated on the LCD (See Section 9).

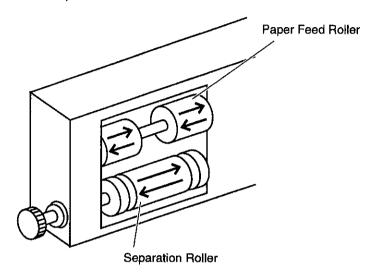


Fig. 7-1

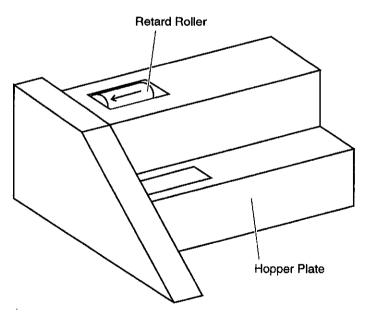


Fig. 7-2

Note: Clean any dirt from these rollers according to the arrows as shown in Fig.7-1 and Fig.7-2.

7.3 Paper Cleaning / Conveyor Roller 1-5

- 1) Conveyor Roller 1, 2
 - 1) Turn off the Power.
 - 2 Open the ADF Door.
 - ③ Clean these rollers using the cleaning paper(KV-SS03) to wipe the dirt on the surface of the roller.

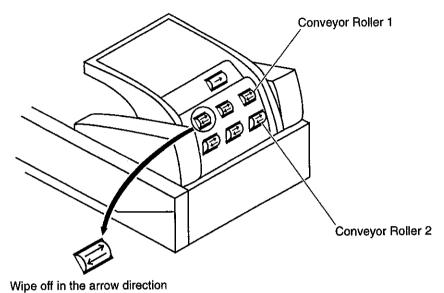


Fig. 7-3

- 2) Conveyor Roller 3, 4, 5
 - 1) Turn off the Power.
 - ② Open the Front Door.
 - ③ Clean these rollers using the cleaning paper (KV-SS03) to wipe the dirt on the surface of these roller. (same as cleaning the CIS, ADF white sheet, ADF Target Glass)

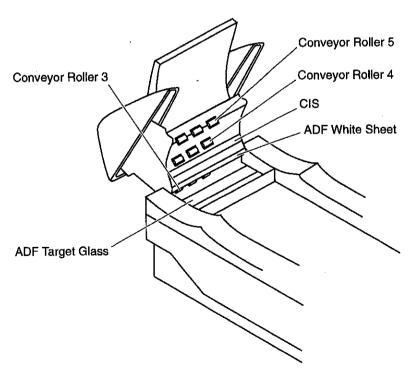


Fig. 7-4

7.4 Replacing Limited Life Parts

- 1) Paper Feed Roller, Separation Roller
 - 1) Turn off the Power.
 - ② Open the Front Door.
 - ③ Open the Paper Feed Conveyor.
 - 4 Pull the gear side of Paper Feed Roller toward arrow 1.
 - 5 Slide toward arrow 2.

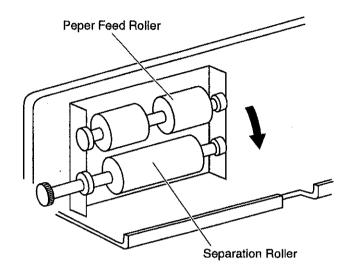


Fig. 7-5

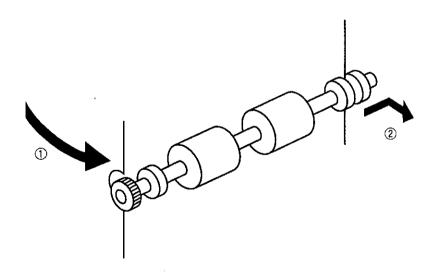


Fig. 7-6

2) Retard Roller

- ① Turn off the Power.
- ② Open the Front Door.
- ③ Open the Retard Conveyor.④ Grip the Retard Roller and slide toward arrow ③.

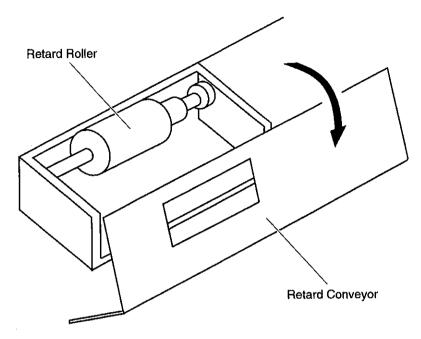


Fig. 7-7

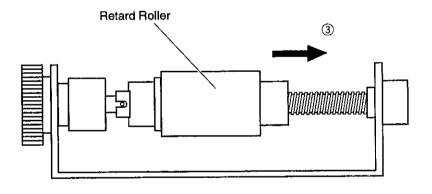


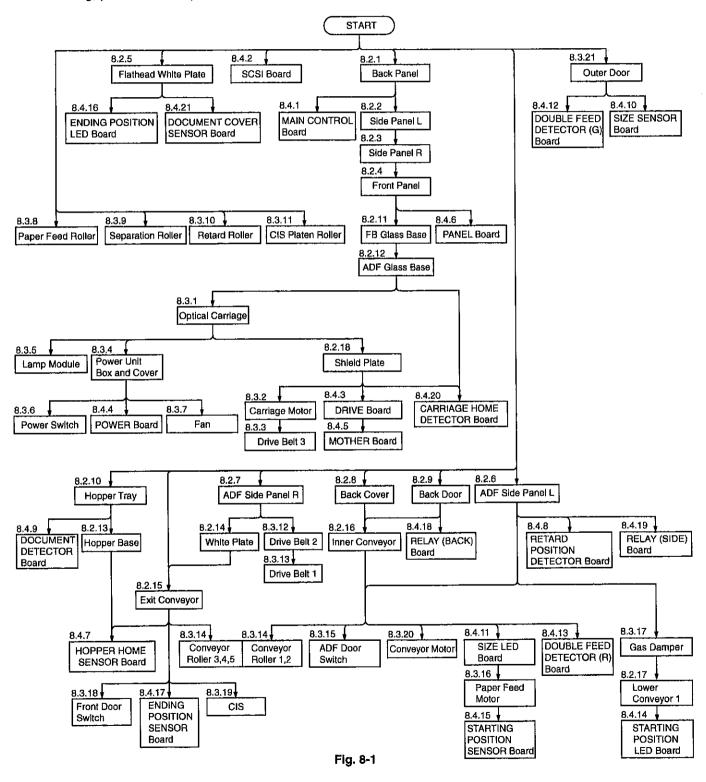
Fig. 7-8



SECTION 8 DISASSEMBLY INSTRUCTIONS

8.1 Disassembly Flowchart

The flowchart indicates disassembly items of the Covers, Unit Components and Circuit Board assemblies. When reassembling, perform the steps in the reverse order unless otherwise noted in Reassembling Notes.



8.2 Exterior

8.2.1 Back Panel

- 1) Remove 7 screws.
- 2) Remove the Back Panel.

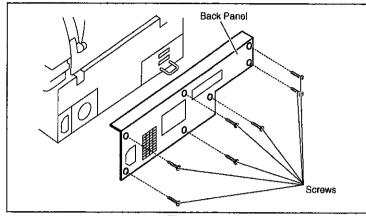


Fig. 8-1

8.2.2 Side Panel L

- 1) Remove Back Panel. (See 8.2.1)
- 2) Remove 3 screws.
- 3) Slide Side Panel L toward the back, as shown in Fig 8-2.

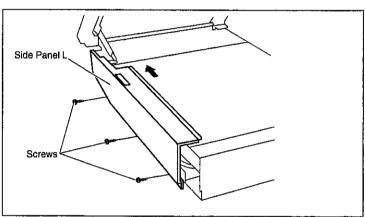


Fig. 8-2

4) Lift Side Panel L up, as shown in Fig. 8-3.

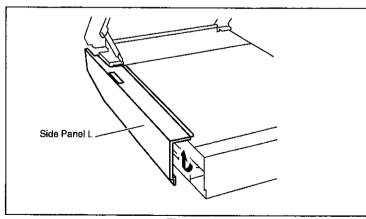


Fig. 8-3

- 5) Centralize the axis (fulcrum) of the lever and turn Side Panel L toward the right, as shown in Fig. 8-4. While turning, bring it down toward the inside (toward the left).
- 6) Detach the screw-fixed hook on the back of Side Panel L from the chassis, and remove later.

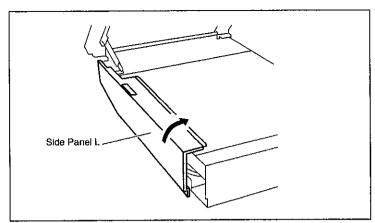


Fig. 8-4

8.2.3 Side Panel R

- 1) Remove Back Panel. (See 8.2.1)
- 2) Remove 3 screws.
- 3) Slide the Side Panel R backward as shown in Fig. 8-5.
- 4) Remove the Side Panel R.

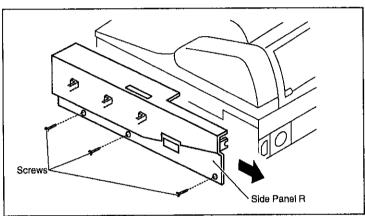


Fig. 8-5

8.2.4 Front Panel

- 1) Remove the Side Panel L. (See 8.2.2)
- 2) Remove the Side Panel R. (See 8.2.3)
- 3) Remove 3 screws(A) and 2 screws(B).
- 4) Disconnect CN536.
- 5) Remove the Front Panel.

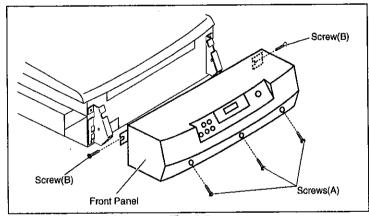


Fig. 8-6

8.2.5 Flathead White Plate

1) Peel off Flathead White Plate, as shown in Fig. 8-7.

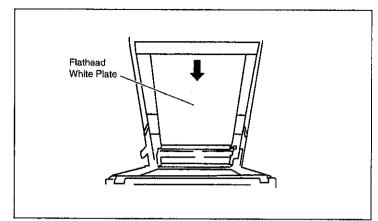


Fig. 8-7

8.2.6 ADF Side Panel L

- 1) Remove 2 screws(A).
- 2) Open Front Door.
- 3) Remove screw(B).
- 4) Remove the ADF Side Panel L.

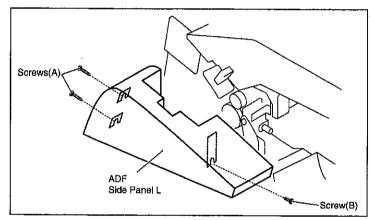


Fig. 8-8

8.2.7 ADF Side Panel R

- 1) Remove 2 screws(A).
- 2) Open Front Door.
- 3) Remove screw(B).
- 4) Remove the ADF Side Panel R.

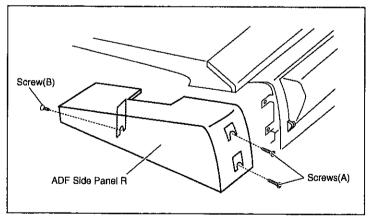


Fig. 8-9

8.2.8 Back Cover

- 1) Open ADF Door.
- 2) Loosen 4 screws and remove the Back Cover.

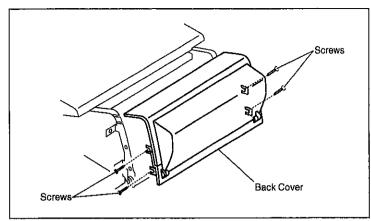


Fig. 8-10

8.2.9 Back Door

1) Push the Back Door, as shown in Fig. 8-11.

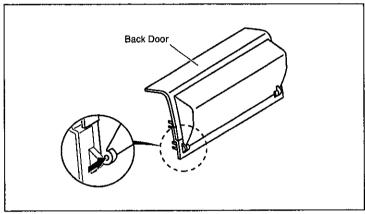


Fig. 8-11

8.2.10 Hopper Tray

- 1) Open Front Door.
- 2) Push the Hopper Tray, as shown in the Fig. 8-12.
- 3) Disconnect CN529.

Note: When connecting CN529, printed character on cable should be upper side.

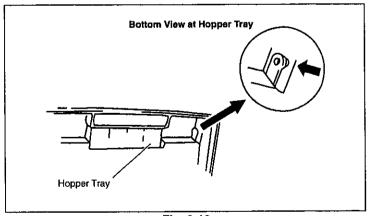


Fig. 8-12

8.2.11 FB Glass Base

- 1) Open Document Cover.
- 2) Remove Side Panel L. (See 8.2.2)
- 3) Remove Side Panel R. (See 8.2.3)
- 4) Remove Front Panel. (See 8.2.4)
- 5) Loosen 2 screws (A).
- 6) Remove 6 screws and FB Glass Base.

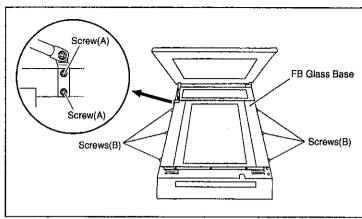


Fig. 8-13

8.2.12 ADF Glass Base

- 1) Open Document Cover.
- 2) Remove Side Panel L. (See 8.2.2)
- 3) Remove Side Panel R. (See 8.2.3)
- 4) Remove 4 screws(A).

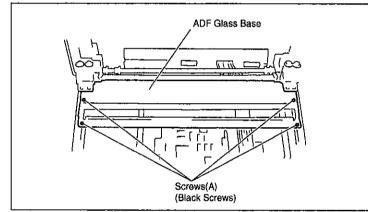


Fig. 8-14

5) Remove 2 screws(B) and ADF Glass Base.

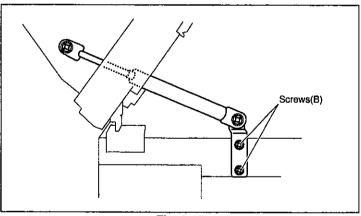


Fig. 8-15

8.2.13 Hopper Base

- 1) Remove Hopper Tray. (See 8.2.10)
- 2) Remove 2 screws(A).
- 3) Remove 2 screws(B) from the bottom of Hopper Base.
- 4) Remove 2 screws(C) from the top of Hopper Base.
- 5) Remove the Hopper Base.

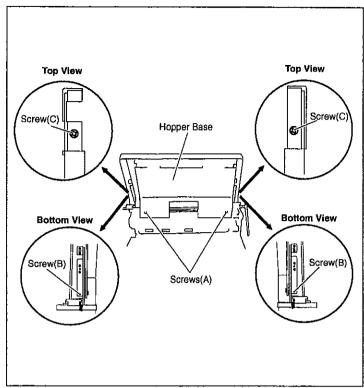


Fig. 8-16

8.2.14 White Plate

- 1) Remove ADF Side Panel R. (See 8.2.7)
- 2) Open Front Door.
- 3) Loosen 2 screws.
- 4) Remove White Plate.

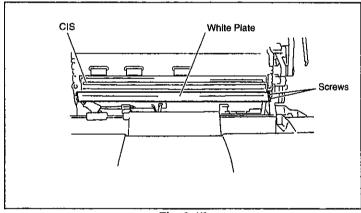


Fig. 8-17

8.2.15 Exit Conveyor

- 1) Open Front Door.
- 2) Remove 4 screws and Exit Conveyor.

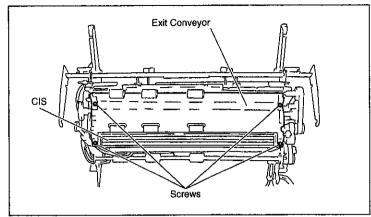
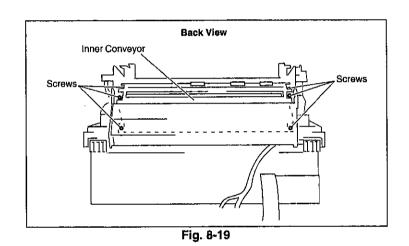


Fig. 8-18

8.2.16 Inner Conveyor

- 1) Remove Back Cover. (See 8.2.8)
- 2) Open ADF Door.
- 3) Remove 6 screws and Inner Conveyor.



8.2.17 Lower Conveyor 1

- 1) Remove ADF Side Panel L. (See 8.2.6)
- 2) Remove ADF Side Panel R. (See 8.2.7)
- 3) Remove Gas Damper. (See 8.3.17)
- 4) Open Front Door.
- 5) Remove 4 screws(A).
- 6) Remove 2 screws(B) and Lower Conveyor 1.

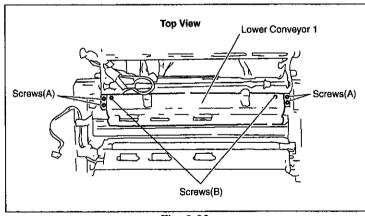


Fig. 8-20

8.2.18 Shield Plate

- 1) Remove Optical Carriage. (See 8.3.1)
- 2) Remove screw(B) and Shield Plate 2.
- 3) Remove 11 screws(A) and Shield Plate 1.

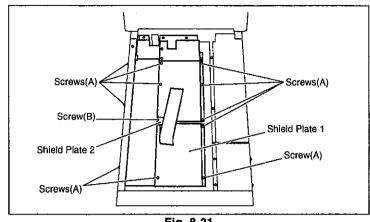
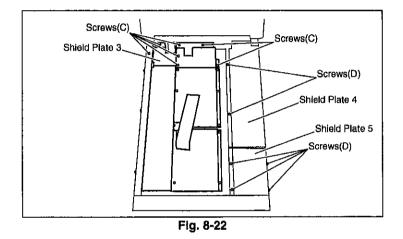


Fig. 8-21

- 4) Remove 6 screws(C) and Shield Plate 3.
- 5) Remove 6 screws(D), Shield Plate 4, and Shield Plate 5.



8.3 Unit Components

8.3.1 Optical Carriage

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove ADF Glass Base. (See 8.2.12)
- 3) Remove 2 screws(A) and Loosen screw(B) and pull out Shaft, as shown in Fig. 8-23.
- 4) Disconnect Connector from Optical Carriage. Note: When assembling, supply the cable to this carriage so that "CCD" character is seen from front side.
- 5) Remove Optical Carriage.

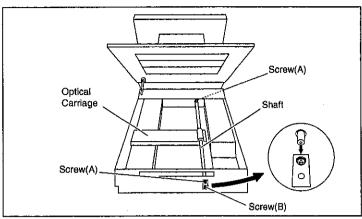


Fig. 8-23

8.3.2 Carriage Motor

- 1) Remove Shield Plate. (See 8.2.18)
- 2) Remove 2 screws(A).

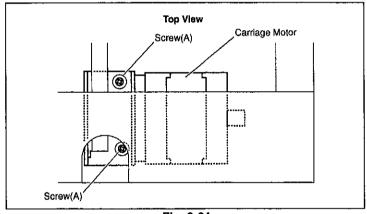


Fig. 8-24

- 3) Remove 4 nuts from the bottom side of this scanner.
- 4) Disconnect Carriage Motor Connector.

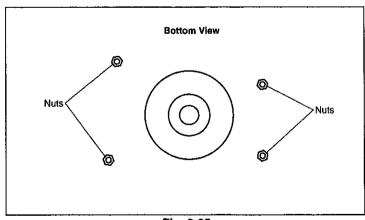


Fig. 8-25

8.3.3 Drive Belt 3

- 1) Remove Carrige Motor. (See 8.3.2)
- 2) Remove Drive Belt 3, as shown in Fig. 8-26.

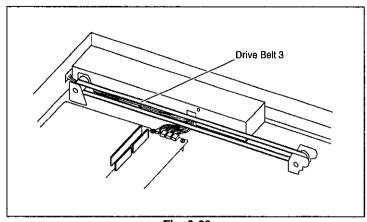


Fig. 8-26

8.3.4 Power Unit Box and Cover

- 1) Remove Optical Carriage. (See 8.3.1)
- 2) Remove 3 screws(A), as shown in Fig. 8-27.

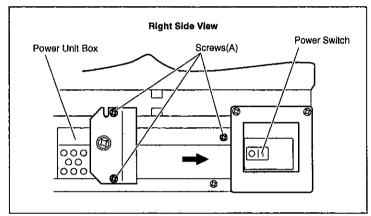


Fig. 8-27

- 3) Remove screw(B), as shown in Fig. 8-28.
- 4) Slide Power Unit Box to the back side, according to the arrow, as shown in Fig. 8-27.

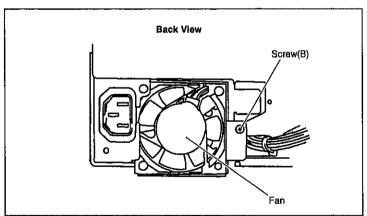


Fig. 8-28

5) Remove 6 screws and slide Power Unit Cover to back side, as shown in Fig. 8-29.

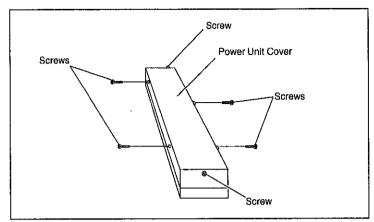
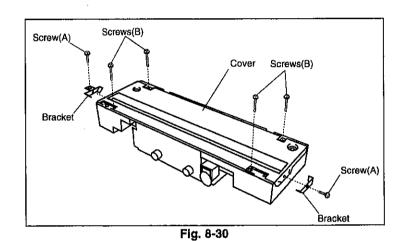


Fig. 8-29

8.3.5 Lamp Module

- 1) Remove Optical Carriage. (See 8.3.1)
- 2) Remove 2 screws(A) and brackets.
- 3) Remove 4 screws(B) and Cover.
- 4) Disconnect Lamp Module Connector.



5) Remove 2 screws(C), and Lamp Module.

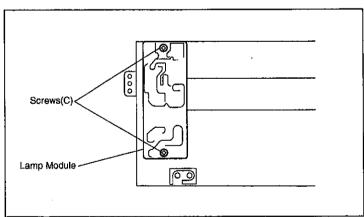


Fig. 8-31

8.3.6 Power Switch

- 1) Remove Power Unit Box and Cover. (See 8.3.4)
- 2) Remove Power Switch from the chassis. (Pull out white pressing both sides of the locking section)

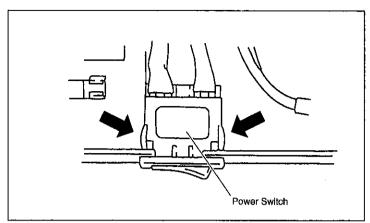
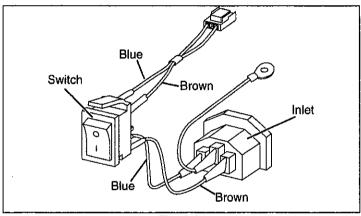


Fig. 8-32

WARNING

When replacing the Power Switch or Inlet, the wiring must be installed as illustrated.



Flg. 8-33

8.3.7 Fan

- 1) Remove Back Panel. (See 8.2.1)
- 2) Remove Power Unit Box and Cover. (See 8.3.4)
- 3) Disconnect Fan connector.
- 4) Remove 2 screws(A), screw(B), and Fan, as shown in Fig. 8-34.

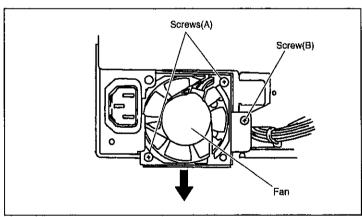


Fig. 8-34

8.3.8 Paper Feed Roller

- 1) Open ADF Door.
- 2) Open Plate.
- 3) Unlock the Paper Feed Roller from the notching hole of chassis and remove it.

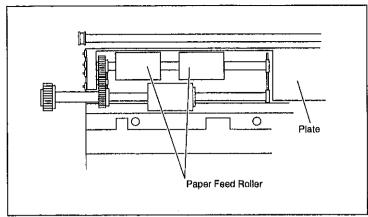
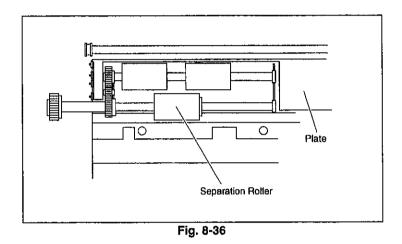


Fig. 8-35

8.3.9 Separation Roller

- 1) Open ADF Door.
- 2) Open Plate.
- 3) Unlock the Separation Roller from the notching hole of chassis and remove it.



8.3.10 Retard Roller

- 1) Open ADF Door.
- 2) Open Plate.
- 3) Grip the Retard Roller and slide, as shown in Fig. 8-37.

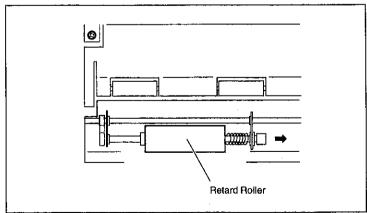


Fig. 8-37

8.3.11 CIS Platen Roller

- 1) Open Front Door.
- 2) Unlock the CIS Platen Roller from the notching hole of chassis and remove it.

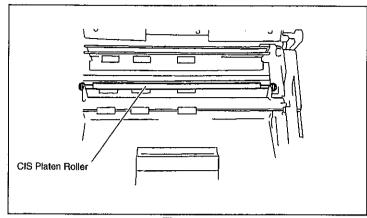


Fig. 8-38

8.3.12 Drive Belt 2

- 1) Remove ADF Side Panal R. (See 8.2.7)
- 2) Loosen 2 screws and remove Drive Belt 2.

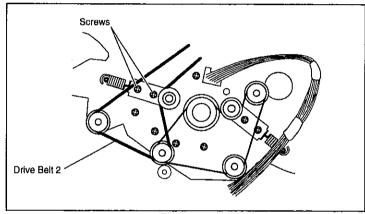
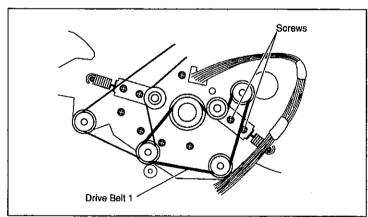


Fig. 8-39

8.3.13 Drive Belt 1

- 1) Remove ADF Side Panel R. (See 8.2.7)
- 2) Remove Drive Belt 2. (See 8.3.12)
- 3) Loosen 2 screws and remove Drive Belt 1.



Flg. 8-40

8.3.14 Conveyor Roller 1-5

- 1) Remove Inner Conveyor. (See 8.2.16)
- 2) Remove ADF Side Panel R. (See 8.2.7)
- 3) Unlock Conveyor Roller (1,2) from the notching hole of the chassis and remove them.
- 4) Remove Exit Conveyor. (See 8.2.15)
- 5) Unlock Conveyor Roller 3,4, and 5 from the notching hole of the chassis and remove them.

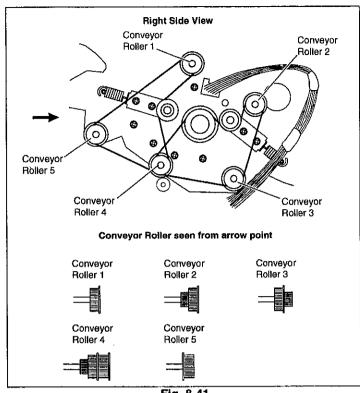


Fig. 8-41

8.3.15 ADF Door Switch

- 1)Remove Inner Conveyor. (See 8.2.16)
- 2) Remove ADF Side Panel R. (See 8.2.7)
- 3) Disconnect ADF Door Switch connector.
- 4) Remove screw and ADF Door Switch.

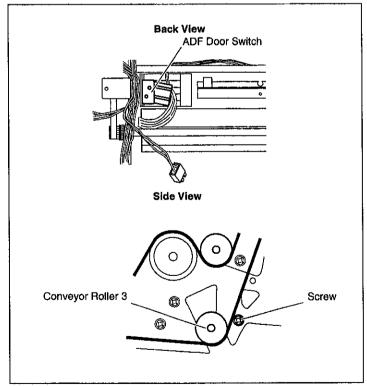


Fig. 8-42

8.3.16 Paper Feed Motor

- 1) Remove Inner Conveyor. (See 8.2.16)
- 2) Remove Conveyor Roller 1, 2. (See 8.3.14-3)
- 3) Remove Exit Conveyor. (See 8.2.15)
- 4) Remove RELAY(SIDE) Board. (See 8.4.19)
- 5) Remove 2 E-rings and Gears.
- 6) Remove 2 screws(A) as shown in Fig. 8-43.
- 7) Remove SIZE LED Board. (See 8.4.11)
- 8) Disconnect Paper Feed Motor connector and Paper Feed Motor.

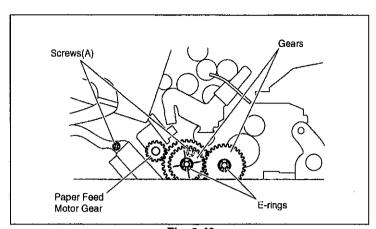


Fig. 8-43

8.3.17 Gas Damper

- 1) Remove ADF Side Panel L. (See 8.2.6)
- 2) Open Document Cover.
- 3) Remove 2 screws and Gas Damper.

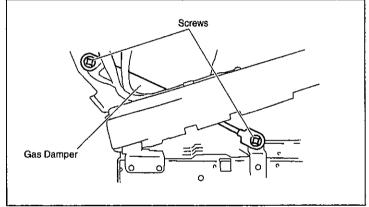


Fig. 8-44

8.3.18 Front Door Switch

- 1) Open Front Door.
- 2) Remove Exit Conveyor. (See 8.2.15)
- 3) Disconnect Front Door Switch connector.
- 4) Remove screw and Front Door Switch.

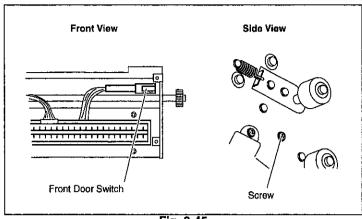


Fig. 8-45

8.3.19 CIS

- 1) Remove White Plate. (See 8.2.14)
- 2) Remove Exit Conveyor. (See 8.2.15)
- 3) Remove 4 screws and CIS.
- 4) Disconnect CIS connector.

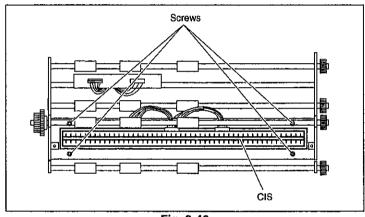


Fig. 8-46

8.3.20 Conveyor Motor

- 1) Remove Inner Conveyor. (See 8.2.16)
- 2) Remove Exit Conveyor. (See 8.2.15)
- 3) Remove ADF Side Panel R. (See 8.2.7)
- 4) Remove 2 screws.
- 5) Disconnect Conveyor Motor connector, and remove Conveyor Motor.

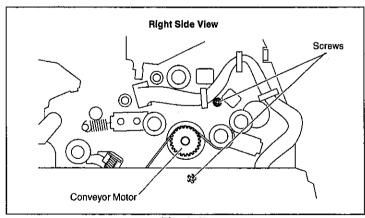


Fig. 8-47

8.3.21 Outer Door

- 1) Open the ADF Door.
- 2) Remove the Plate.
- 3) Remove 6 screws and Outer Door.

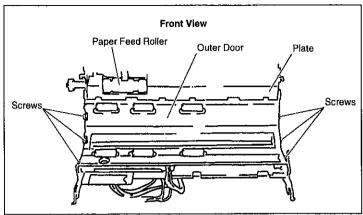


Fig. 8-48

8.4 Circuit Board Assemblies

8.4.1 MAIN CONTROL Board

- 1) Remove Back Panel. (See 8.2.1)
- 2) Remove 2 screws and MAIN CONTROL Board.
- Disconnect all connectors from/to MAIN CONTROL Board.

Note: See SECTION 11 BLOCK DIAGRAM for connections.

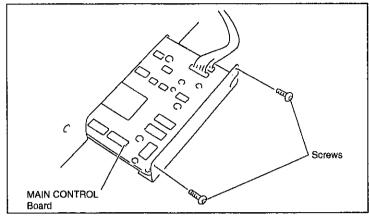
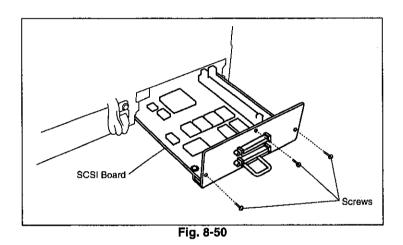


Fig. 8-49

8.4.2 SCSI Board

- 1) Remove 3 thumb screws.
- 2) Pull out SCSI Board.



8.4.3 DRIVE Board

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove Optical Carriage. (See 8.3.1)
- 3) Remove Shield Plate. (See 8.2.18)
- 4) Remove 4 screws and DRIVE Board.
- Disconnect all connectors from/to DRIVE Board.
 Note: See SECTION 11 BLOCK DIAGRAM for connections.

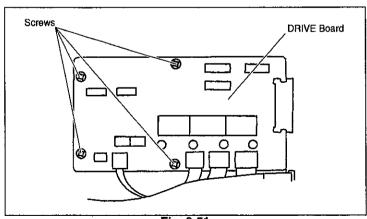


Fig. 8-51

8.4.4 POWER Board

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove Power Unit Box and Cover. (See 8.3.4)
- 3) Remove 11 screws and POWER Board.
- 4) Disconnect all connectors from/to POWER Board. Note: See SECTION 11 BLOCK DIAGRAM for connections.

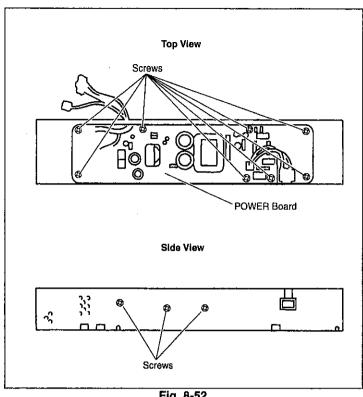


Fig. 8-52

8.4.5 MOTHER Board

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove Optical Carriage. (See 8.3.1)
- 3) Remove Shield Plate. (See 8.2.18)
- 4) Remove DRIVE Board. (See 8.4.3)
- 5) Remove 5 screws and MOTHER Board.
- 6) Disconnect all connectors from/to MOTHER Board. Note: See SECTION 11 BLOCK DIAGRAM for connections.

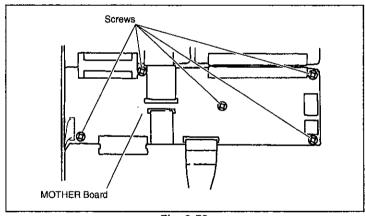


Fig. 8-53

8.4.6 PANEL Board

- 1) Remove Front Panel. (See 8.2.4)
- 2) Remove 7 screws and PANEL Board.
- 3) Disconnect CN536.

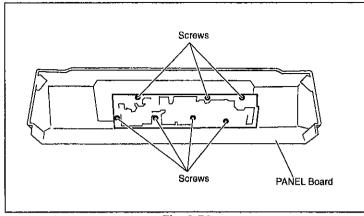


Fig. 8-54

8.4.7 HOPPER HOME SENSOR Board

- 1) Remove Exit Conveyor. (See 8.2.15)
- 2) Remove screw and HOPPER HOME SENSOR Board.
- 3) Disconnect CN529 and CN530.

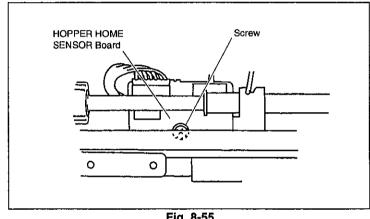


Fig. 8-55

8.4.8 RETARD POSITION DETECTOR Board

- 1) Remove ADF Side Panel L. (See 8.2.6)
- 2) Remove screw and RETARD POSITION **DETECTOR** Board.
- 3) Disconnect CN517.

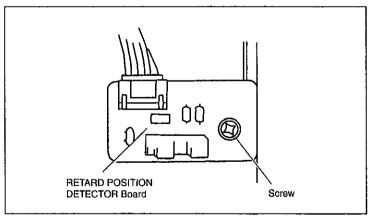


Fig. 8-56

8.4.9 DOCUMENT DETECTOR Board

- 1) Remove Hopper Tray. (See 8.2.10)
- 2) Remove 2 screws and DOCUMENT DETECTOR Board.
- 3) Disconnect CN537 and CN538.

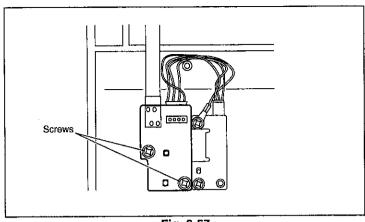


Fig. 8-57

8.4.10 SIZE SENSOR Board

- 1) Remove Outer Door. (See 8.3.21)
- 2) Remove 3 screws and SIZE SENSOR Board.
- 3) Disconnect CN521 having this Board.

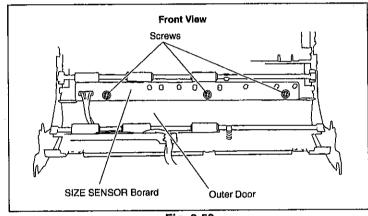


Fig. 8-58

8.4.11 SIZE LED Board

- 1) Remove Back Cover. (See 8.2.8)
- 2) Remove Inner Conveyor. (See 8.2.16)
- 3) Remove 3 screws and SiZE LED Board.
- 4) Disconnect CN524.

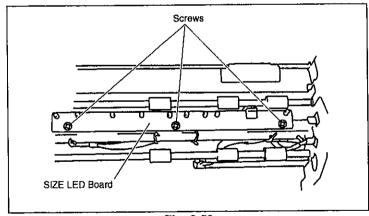


Fig. 8-59

8.4.12 DOUBLE FEED DETECTOR (G) Board

- 1) Remove Outer Door. (See 8.3.21)
- 2) Remove 3 screws(A) from Fitting Plate with DOUBLE FEED DETECTOR (G) Board.
- 3) Disconnect CN534.

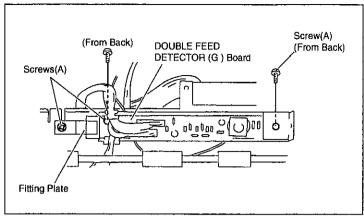
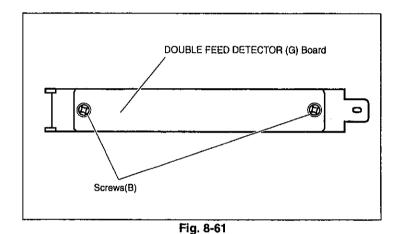


Fig. 8-60

4) Remove 2 screws(B) and DOUBLE FEED DETECTOR (G) Board.



8.4.13 DOUBLE FEED DETECTOR (R) Board

- 1) Remove Inner Conveyor. (See 8.2.16)
- 2) Remove 2 screws(A) from Fitting Plate with DOUBLE FEED DETECTOR (R) Board.
- 3) Disconnect CN535.

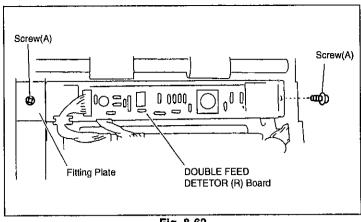


Fig. 8-62

4) Remove 2 screws(B) and DOUBLE FEED DETECTOR (R) Board.

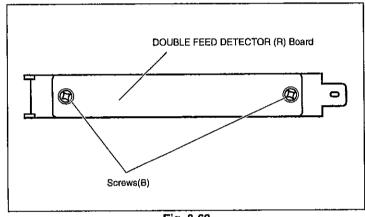


Fig. 8-63

8.4.14 STARTING POSITION LED Board

- 1) Remove Lower Conveyor 1. (See 8.2.17)
- 2) Remove 2 screws and STARTING POSITION LED Board.
- 3) Disconnect CN518.

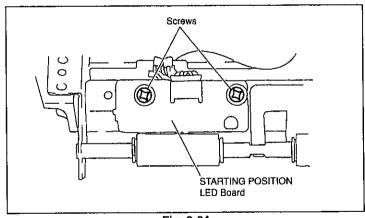


Fig. 8-64

8.4.15 STARTING POSITION SENSOR Board

- 1) Remove Paper Feed Motor. (See 8.3.16)
- 2) Remove 2 screws(A) from Fitting Plate with STARTING POSITION SENSOR Board.
- 3) Disconnect CN519 and CN520.

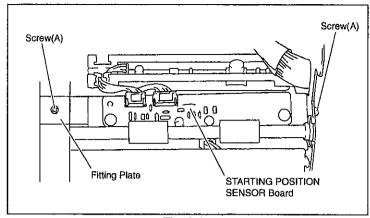
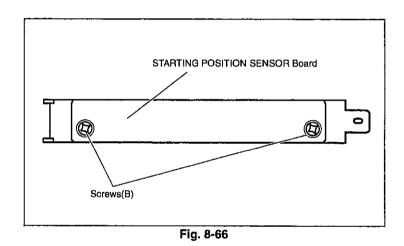


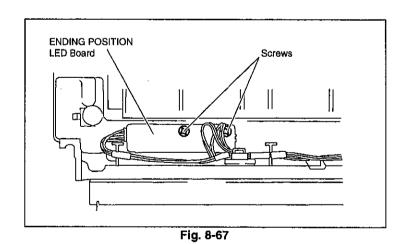
Fig. 8-65

 Remove 2 screws(B) and STARTING POSITION SENSOR Board.



8.4.16 ENDING POSITION LED Board

- 1) Open Document Cover.
- 2) Remove Flathead White Plate. (See 8.2.5)
- Remove 2 screws and ENDING POSITION LED Board.
- 4) Disconnect CN525 and CN526.



8.4.17 ENDING POSITION SENSOR Board

- 1) Remove Exit Conveyor. (See 8.2.15)
- 2) Remove 2 screws and ENDING POSITION SENSOR Board.
- 3) Disconnect CN531 and CN532.

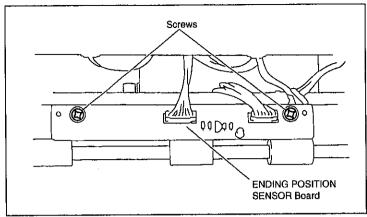


Fig. 8-68

8.4.18 RELAY (BACK) Board

- 1) Remove Back Door. (See 8.2.9)
- 2) Remove 5 screws and RELAY (BACK) Board.
- 3) Disconnect CN501, CN502, CN503, CN504, CN505, CN513, CN515, and CN522. Note: See SECTION 11 BLOCK DIAGRAM for connections.

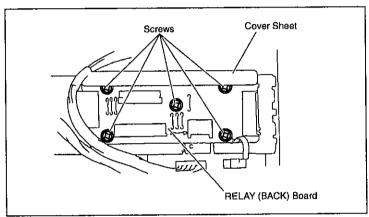


Fig. 8-69

8.4.19 RELAY (SIDE) Board

- 1) Remove ADF Side Panel L. (See 8.2.6)
- 2) Remove 4 screws and RELAY (SIDE) Board.
- 3) Disconnect all connectors from/to RELAY (SIDE) Board.

Note: See SECTION 11 BLOCK DIAGRAM for connections.

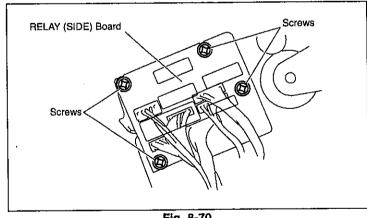


Fig. 8-70

8.4.20 CARRIAGE HOME DETECTOR Board

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove ADF Glass Base. (See 8.2.12)
- 3) Remove Shield Plate. (See 8.2.18)
- 4) Remove 2 screws and CARRIAGE HOME DETECTOR Board.
- 5) Disconnect CN516.



- 1) Remove Flathead White Plate. (See 8.2.5)
- 2) Remove 2 screws and DOCUMENT COVER SENSOR Board.
- 3) Disconnect CN527.

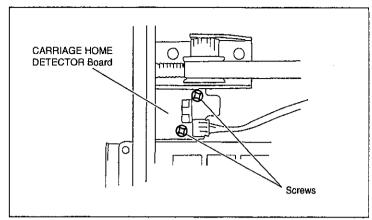


Fig. 8-71

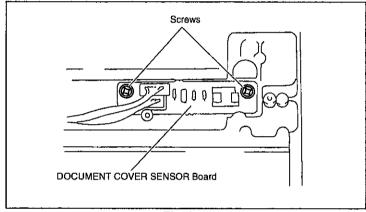


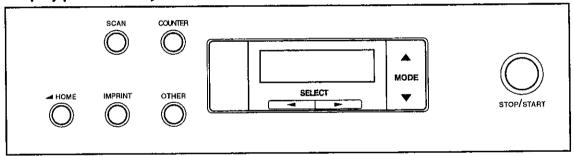
Fig. 8-72

SECTION 9 OPERATION

9.1 Specification

Item	Content					
Indication Device	LCD Display					
Indication Matrix	16 Characters x 2 lines					
Kind of Character displayed	Alphabet, Number, Square Phonetic, Japanese Syllabary					
Indicated Contents	System Status (Initializing, Ready, Scanning, Error, Warning)					
	Setting (Scanning, Counter, Imprinter)					
	Test Mode					
Indicated Languages	English, German, Japanese					
Operation Key	SCAN, COUNTER, IMPRINT, OTHERS, ▲, ▼, ◀, ▶, HOME, STOP/START					
	Note: Pushing each key for more than 0.5 sec enables Repeat Mode					

Display panel and keys



: Press to enter the scanning setting menu.

: Press to enter the counter setting menu.

: Press to enter the imprinter setting menu.
: Press to enter other setting menu.

: Press to exit from the setting section and return to the ready status.
Also used to change the display language.

stop/staat
: Used to stop or start scanning a document.

Up to 32 characters can be displayed

during scanning or setting.

: Press to advance to the next mode in the selected menu.

 Press to return to the previous mode in the selected menu.

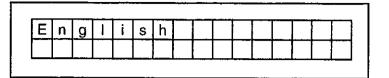
Press to advance to the next value in the selected mode.

 Press to return to the previous value in the selected mode.

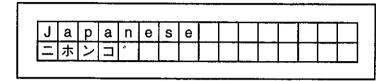
Fig. 9 - 1

Setting the language

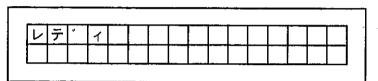
1) Turn the power on while pressing the HOME key.



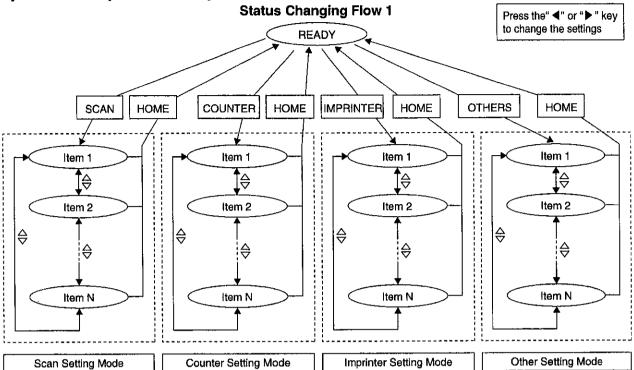
 Use the "▲" key or the "▼" key to select "English", "Japanese" or "German".



- 3) Press the HOME key.
 - The display will change to the selected language, then the scanner will be ready.
 - This setting will remain until it is changed to another setting.



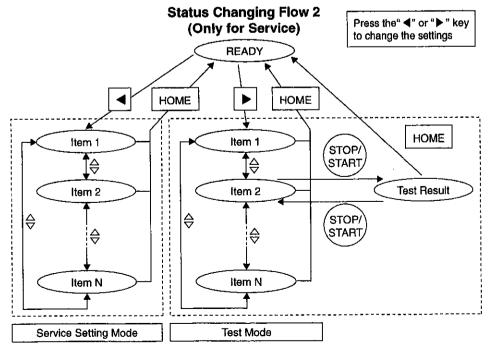
9.2 Operation-1 (User Mode)



By pressing another key, you can enter the other Setting Mode directly, without returning back the READY Mode. The Imprinter Setting Mode will operate only if the Imprinter (optional) has been installed in the Main Unit (KV-S6045W(U)/KV-S6040W(U)).

9.3 Operation-2 (Service Mode)

To enter Service Mode, turn on the Scanner while pressing the SCAN and the OTHER keys simultaneously. Service Mode includes the Service Setting Mode and Test Mode. The Service Setting Mode offers functions that are not available in Normal Mode. The Service Setting Mode has a counter display and changing the correction values, and so on. The Test Mode has a scanning test and EEPROM initialization and so on. The Service Setting Mode can be available until the power is turned off.



9.4 Setting List

9.4.1 Setting Mode and Item (User Mode)

Mode		Item F. Brightness	Setting Contents (by pushing the " ▶ " or " ◀ " key)										Default
Scan	1		Host	D4 [03	D2	D1	Normal	L1	L2	2 L3	L4	Host
Setting	2	F. Emphasis	Host	Smooth	None		Low	Medium	High]			Host
Mode	3	F. Contrast	Host	H4	13	H2	H1	Norm	L1	L	2 L3	L4	Host
	4	F. Halftone	Host	Binary	Dither 6	64	Dither 16	Halftone Do	t Halftone 64	Dot	Error diffusion		Host
	5	B. Brightness	Host	D4 [03	D2	D1	Normal	L1	L.	2 L3	L4	Host
	6	B. Emphasis	Host	Smooth	None		Low	Medium	High				Host
	7	B. Contrast	Host	H4 H	13	H2	H1	Norm	L1	La	? L3	L4	Host
	8	B. Halftone	Host	Binary	Dither 6	4	Dither 16	Halftone Do	t Halftone 64	Dot	Error diffusion		Host
	9	Noise Reduct	Host	None	1×1		2×2	3×3	4×4		5×5	6×6	Host
	10	Double Feed	Host	Not detect	Detect	t T							Host
	11	Feed Speed	Normat	Slow									Normal
	12	Black Line	Host	Disable	Enable	9							Host
	13	Scanning Mode	Actual	Fit to Page			-						Actual
	14	Scan Method	Host	Flatbed									Host
	15(a)	Select Memory for saving scan condition	Memory1	Memory2									Memory 1
	15(b)	Set saving scan condition	Exec										
	16	Load Setting for scan condition	Memory1	Memory2	Defaul	t							Memory1
Counter	1	Disp. Counter	Scan	User									Scan
Setting	2	Set User Counter	0 –						<u> </u>				0
Mode		Set Increment value for User Counter	+1 - +9										+1
		Clear User Counter	Clear										
Imprinter	1	Pre imprinter	Host	Count						1			Host
Setting Mode	2	Pre Imprinter position	0 - 72 Char						ļ				0
Other	1	Version										<u> </u>	
Setting	2	Buzzer	ON	OFF	-				 				ON
Mode	3	SCSI ID	0 – 7			\neg				$\neg \uparrow$			
	4	Terminator	Enable	Disable					1				
İ	5	Clean Roller Warning	%										0%
İ		Clear 'Clean Roller Warning"	Clear					-					
	6	Replace Roller Warning	%		,								0%
		Clear "Replace Roller Warning"	Clear		-				 				-
	7	Product ID In case of KV-S6045	KV-S6045	KV- SS55EX	KV-SS5	5	KV-SS25	KV- SS65EXN	KV-SS6	5N	KV- SS50EX	KV-SS50	KV- \$6045
			KV- SS60EXN	KV-SS60N	KV-SS8	55	KV-S2055		1				
	7	Product ID In case of KV-S6040	KV-S6040	KV- SS50EX	KV-SS56		KV- SS60EXN	KV-SS60N	KV-SS8	155	KV-S2055		KV- S6040
	8	Double feed detector sensitivity	Normal	High Sensitivity	Low Sensitiv	ity					·····		-

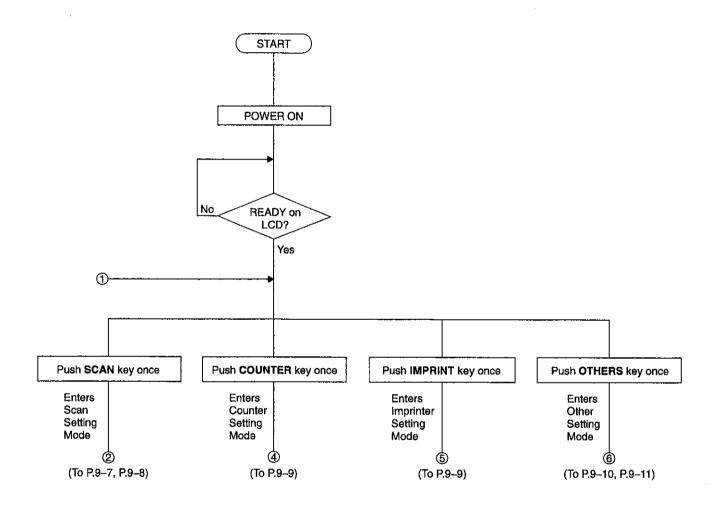
The Imprinter Setting Mode can be entered only if the Impriter is installed.

9.4.2 Setting Mode and Item (Service Mode and Test Mode)

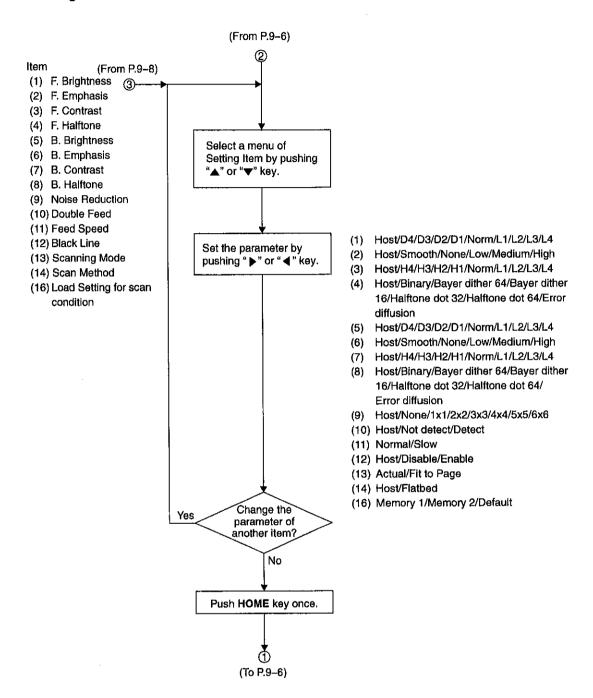
Mode		ltem		Se	tting Conten	ts (by push	ing the " 🕨	" or " ◀ "	key)		Default
Service	1	System Counter			<u> </u>						
Mode Setting	2	Warning Setting for Cleaning Roller	5000 – (MAX 1000000)							50000
	3	Warning Setting for Replacing Roller	5000 (MAX 1000000)							300000
	4	Detect Size for adjusting position	A4	Letter							
ĺ	5	Adjust value for Front Width manually	1 – 128								
	6	Adjust value for Front H.position manually	8 - 248								
	7	Adjust value for Front V.Position manually	28 – 228	•							
	8	Adjust value for Paper Lenght manually	28 – 228								
	9	Adjust value for Back H.Position manually	118 138								
	10	Adjust value for Back V.Position manually	28 - 228								
	11	Adjust value for FB H.Position manually	8 - 248								
	12	Adjust value for FB V.Position manually	28 – 228								
	13	Adjust value for FB Length manually	28 – 228								
l	14	Lamp	Green	Red		1			<u> </u>	, ,	Green
	15	Set Default	Exec				ļ	ļ			
Test Mode	1	Feed Test (Set Resolution and Test)	100 – 600	START		_					200
		Feed Test (Set Paper	A4	A5	A6	B4	B5	B6	 	Max	A4
		Size and Test)	Ltr	Lgl	A3	Ldr	START				
		Feed Test (Set Length Control and Test)	OFF	ON	START	ļ	ļ				1
	2	Carriage Test (Set Resolution and Test)	100 – 600	START	A6	B4	B5	B6	Ltr	Ldr	
		Carriage Test (Set Paper Size and Test)	A4	A5 A3	START	D4			LII	1.01	
	3	CCD Test AMP1	Lgl x1	x2	SIARI	START	ļ. <u></u>				
	"	CCD Test AMP2	0 - 255	START	1	OTAIT	 	 			+
	4	B.CIS LED	0 - 255	START		 			-	 	+
		F.CIS Black Level	0 - 255	START	-						
	6	B.CIS Black Level	0 - 255	START	 		<u> </u>				
	 	Document Sensor	START				 		 		+
	8	Sensor Sensitive Level			 	<u> </u>	+			 	
	9	Door & Home Sensor	START		 	1	 	 	 		
	10	Double Feed Sensitive		START					_		
		Level			ļ				<u> </u>		
	11	Hopper Test	START			ļ		ļ			
	12	Conveyor Motor	START		 	<u> </u>	<u> </u>	 			
	13	Feed Motor Adjust Width	START START								
	15	Automatically Adjust FrontH.Position					<u> </u>				1
	16	Automatically Adjust Front V. Position						 			
	17	Automatically Adjust Paper Length	START					 			
	18	Automatically Adjust Back H.Position Automatically									
	19	Adjust Back V.Position Automatically					<u> </u>				
	20	Adjust FB H.Position	START	.			 				
	21	Automatically Adjust FB V.Position	START	-		 			-	 	

Mode Test Mode		Item	Setting Contents (by pushing the " ▶ " or " ◀ " key)								
	22	Adjust F8 Length Automatically	START								
	23	Adjust All Position & Length Automatically	START								
	24	Aging	START							1	
	25	Init. EEPROM	START					<u> </u>	 	<u> </u>	
	26	Adjust Shading Automatically	START					· · · · · · · · · · · · · · · · · · ·			
	27	Adjust Double Feed detector	START								

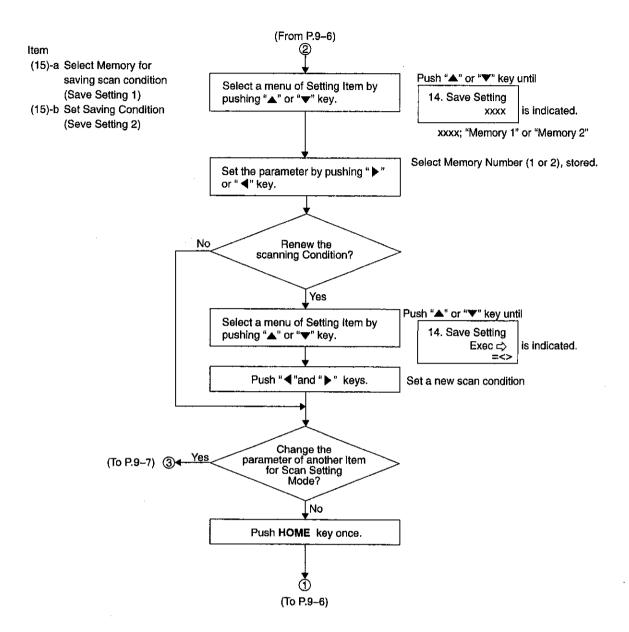
9.5 Setting Operation (User Mode)



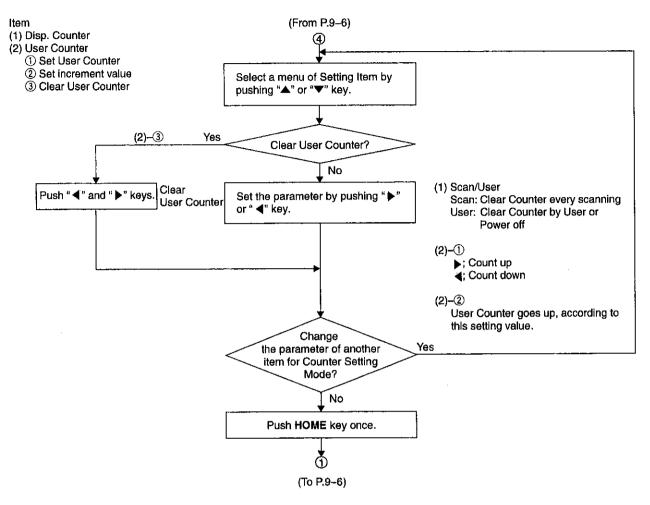
9.5.1 Scan Setting Mode-1



9.5.2 Scan Setting Mode-2

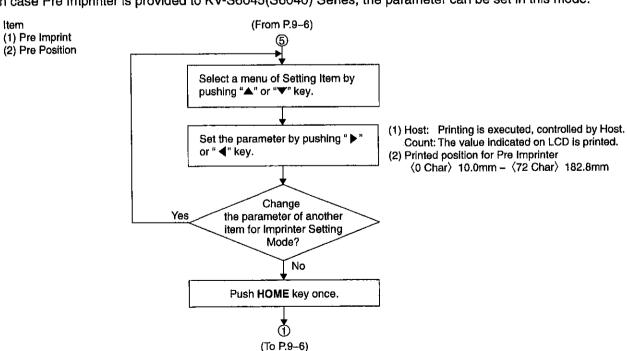


9.5.3 Counter Setting Mode

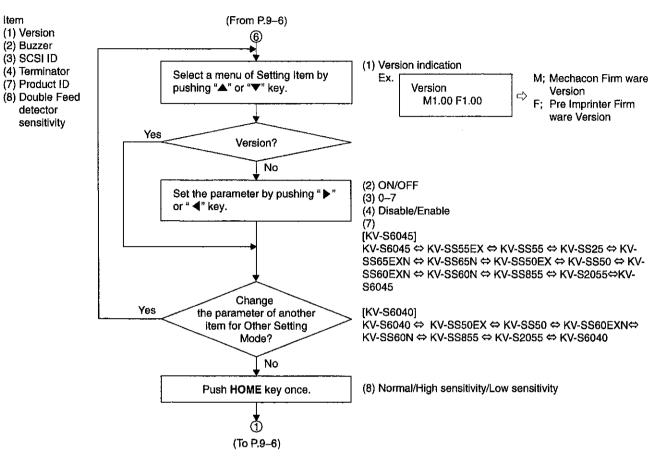


9.5.4 Imprinter Setting Mode (Option)

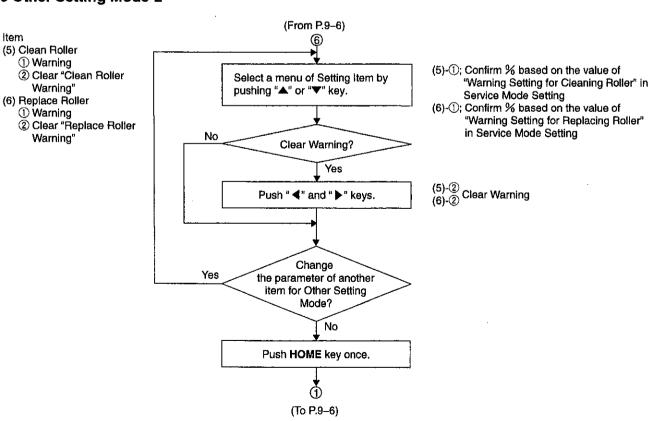
Only in case Pre Imprinter is provided to KV-S6045(S6040) Series, the parameter can be set in this mode.



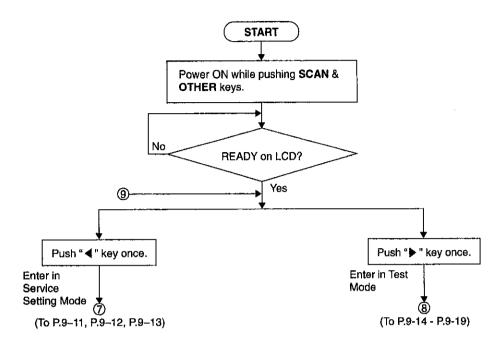
9.5.5 Other Setting Mode-1



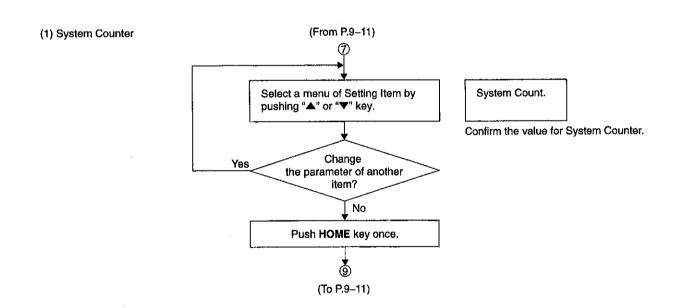
9.5.6 Other Setting Mode-2



9.6 Setting Operation(Service Mode)

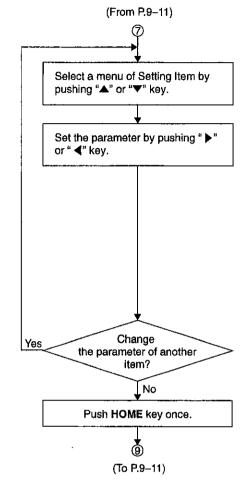


9.6.1 Service Mode Setting-1



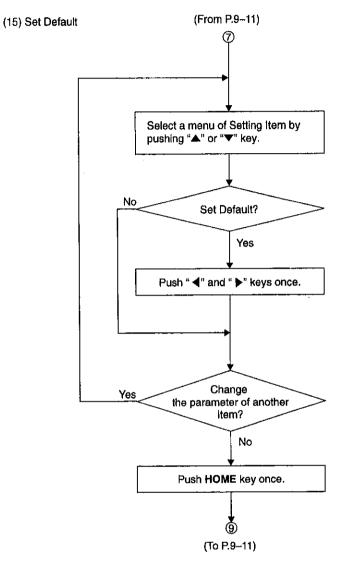
9.6.2 Service Mode Setting-2

- (2) Warning Setting for Cleaning Roller
- (3) Warning Setting for Replacing Roller
- (4) Detect Size for Adjusting Position
- (5) Adjust value for Front Width manually
- (6) Adjust value for Front H. Position manually(7) Adjust value for Front V. Position manually
- (8) Adjust value for Paper Length manually
- (9) Adjust value for Paper Length manually
 (9) Adjust value for Back H. Position manually
- (10) Adjust value for Back V. Position manually
- (10) Adjust value for Back V. Position manually (11) Adjust value for FB H. Position manually
- (12) Adjust value for FB V. Position manually
- (13) Adjust value for FB Length manually
- (14) Lamp



- (2) Set scanning paper value to clean roller.
 Default; 50,000
- (3) Set scanning paper value to replace roller Default; 300,000
- (4) A4/Letter
- (5) **◄**; 0.1% Reduce
 - ▶; 0.1% Expand
- (6) ▶; 0.1mm to the right
 - ◀; 0.1mm to the left
- (7) ▶; 0.1mm to Lower side
- ◀; 0.1mm to upper side
- (8) ▶; 0.1% Longer
 - ◀; 0.1% Shorter
- (9) Same as (5)
- (10) Same as (6)
- (11) ▶; 0.1mm to the right
- ◀: 0.1mm to the left
- (12) ▶; 0.1mm to lower side
- ◀; 0.1mm to upper side
- (13) ▶; 0.1% longer
- ◀; 0.1% Shorter (14) Green/Red

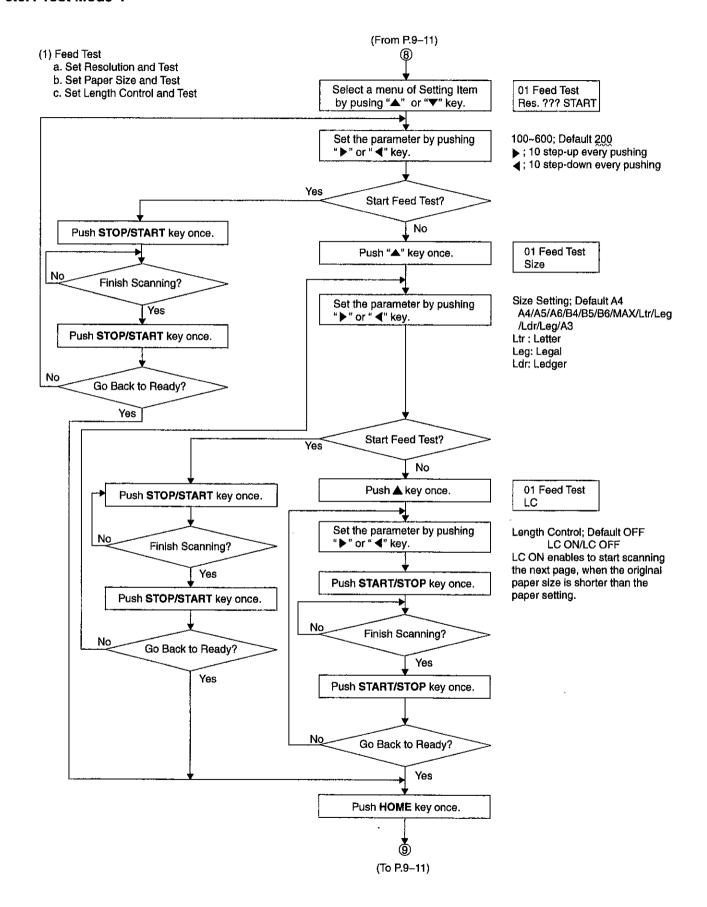
9.6.3 Service Mode Setting-3

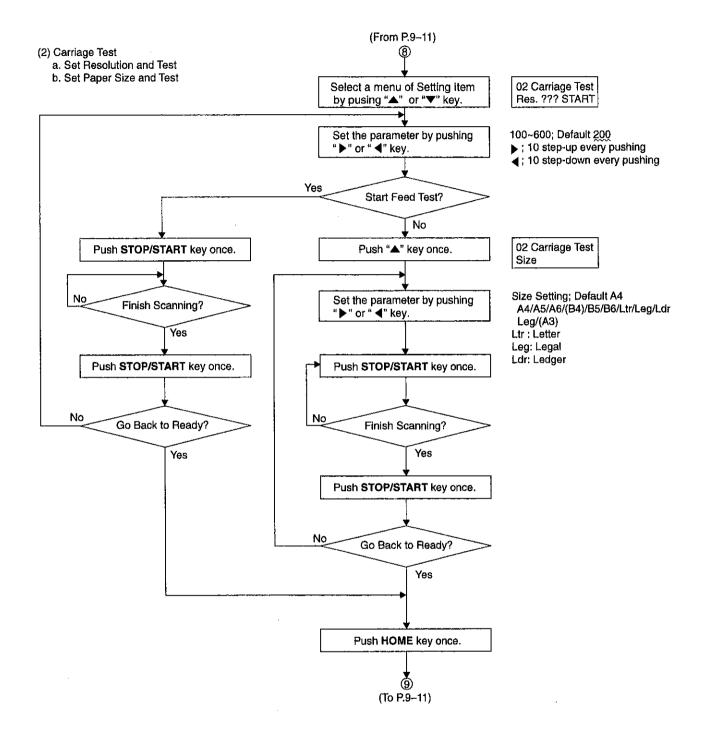


Pushing "◀" and "▶" keys changes setting on LCD into default except for the following contents.
• SCSI ID 0-7
• Terminator ON/OFF

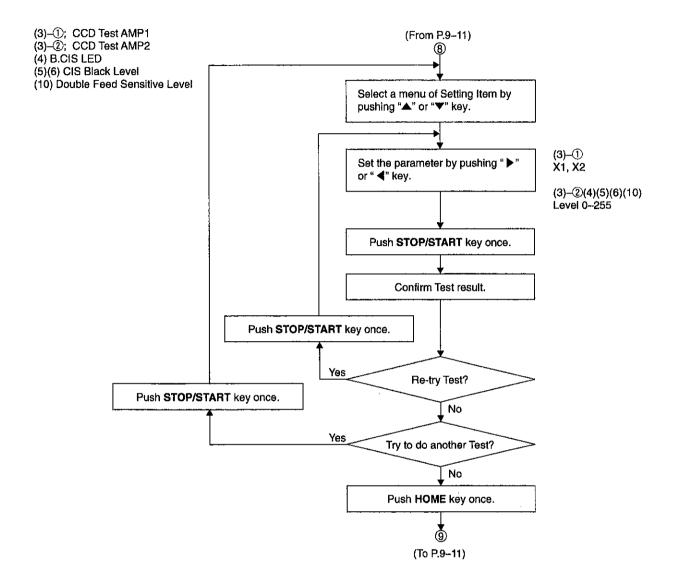
- System Counter
 Adjust value for scanning position
 Language on LCD

9.6.4 Test Mode-1

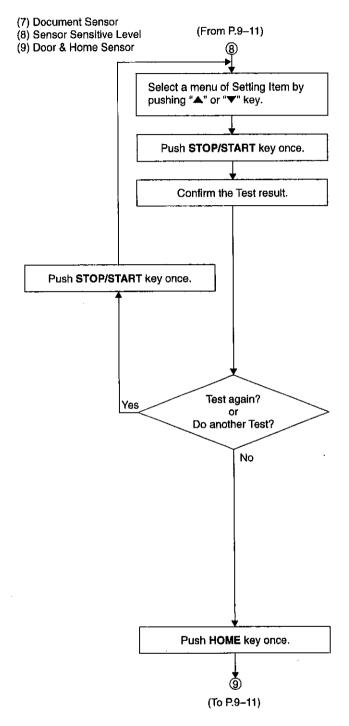




9.6.5 Test Mode-2



9.6.6 Test Mode-3



Select Sensor Test ((7) or (8) or (9))

Execute Sensor Test

(7)												 	
P	0	1	2	3	4	5	6	7	8	S	E		
1	0	1	0	1	1	0	1	0	0	0	0		

- P: Status of Paper Detector
- 0,1, 2, 3, 4, 5, 6, 7,8: Each status of Size Sensors 0–8

 * When this status value is "1", it means the paper is in this scanner.
- S: Status of Starting Position Sensor
- E: Status of Ending Position Sensor

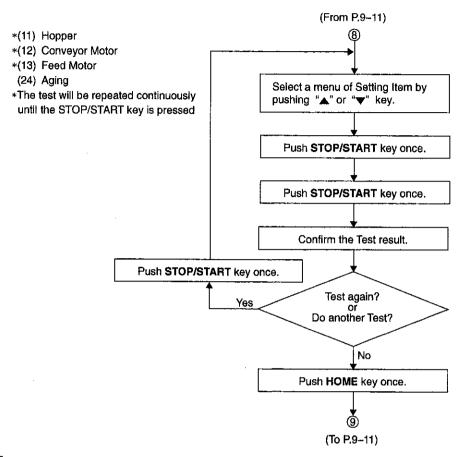
(8)													
Р	0	1	2	3	4	5	6	7	8	S	Ε		
х	3	3	3	3	3	з	3	3	3	3	3		Ĺ

- P: Status of Paper Feed Sensor (x: No adjustment for the level)
- S: Status of Starting Positon Sensor; 0-F (Adjustment level; F: Darker)
- E: Status of Ending (Front) Position Sensor; 0-F (Adjustment level; F: Darker)
- 0, 1, 2, 3, 4, 5, 6, 7, 8: Each status of Size Sensors 0-8;

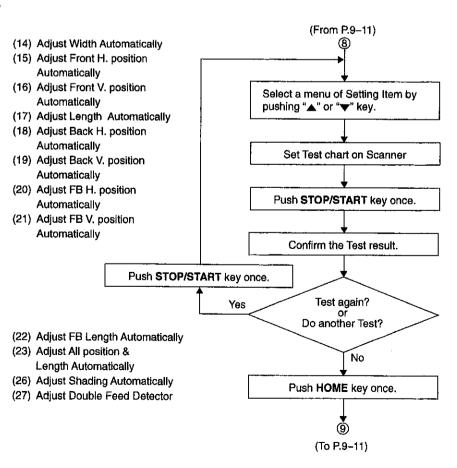
(9)					 				 		
F	Α	Т	D					Н	С	R	l
0	1	0	0					1	0	0	

- F: Status of Front Door
- A: Status of ADF Door
- T: Status of Top Door
- D: Document Cover
- *When this status value is "1", it means door open.
- H: Hopper Position Sensor (Value "1" means Hopper Is in home)
- C: Carriage Position Sensor (Value "1" means Carriage is in home)
- R: Retard Position Sensor (Value "1" means Retard position is released)

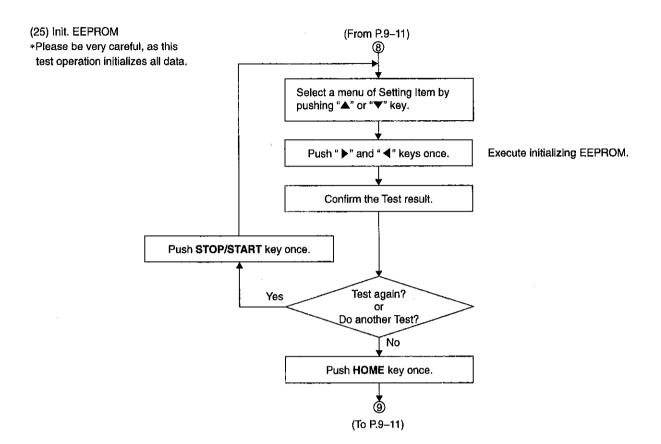
9.6.7 Test Mode-4



9.6.8 Test Mode-5



9.6.9 Test Mode-6



9.7 Error Code

Error Code Outline

ST1	Error Content
0x0-	Communication Error
0x1-	Paper Jam Error
0x2-	Door Open Error
0x3-	Mechanical Function Error
0x4-	Paper (Document) Sensor Error
0x5-	Scanning Error
0x6-	-
0x7-	-
0x8-	Hardware Error
0x9-	Hardware Error
0xA-	-
0xB-	-
0xC-	-
0xD-	
0xE-	-
0xF-	

Note: (1) How to confirm Table 9-1

(ex.)

0x0-shows Communication Error for

00 to 0A of ST1 bit.

(2) "-" in Error Content is not used.

Table 9-1

Error Code

Classified Code	ST1	ST2	ST3	ST4		Content	
-	00	х	Х	Х	No error		
	01	Х	00	00	System Reset		
•	03	00	х	00	Mechanical Function Command Error	Undefined Code	(ST3=code)
		01	х	Х		Transmitted Data Length	(ST3, 4=length)
		02	х	х		Parameter Contents	(ST3, 4=position)
-	04	00	х	00	Imprint Command Error	Undefined Code	(ST3=code)
<u> </u>		01	_ x_	х		Transmitted Data Length	(ST3, 4=length)
•	_	02	х	х		Parameter Contents	(ST3, 4=position)
	06	00	00	00	Imprint Communication Error		
	07	00	00	00	Imprint Data Error		
-	09	00	00	00	Bar-code Detection Error		
•	0A	00	00	00	Stop by the STOP/START Key		
U10	10	00	00	00	No Paper Error		
U11	11	x	00	00	Paper Feed Jam(when paper does not react (approx.) of paper.	h Size Sensor 0): ST2 show	ws the rest numbers
U12	12	х	00	00	Jam 1 (when paper does not reach Starting (approx.) of paper.	Position Sensor): ST2 sho	ws the rest numbers
U14	14	Х	00	00	Jam 3 (when paper does not reach Ending F (approx.) of paper.	Position Sensor): ST2 show	vs the rest numbers
U16	16	Х	00	00	Scan-out Jam 1 (when paper does not pass numbers (approx.) of paper.	Ending Position Sensor):	ST2 shows the rest
U18	18	Х	00	00	Leave the paper in this scanner	* (ST2: Paper position Info	ormation)
U20	19	00	00	00	Skew Error		
U21	1A	00	00	00	Paper Size Error		
U22	1B	00	00	00	Paper Length Error		
U23	1C	00	00	00	Double Feed Error	(ST2:0=Original at wait po	sition 1=No original at
						wait position 2=Length 3	=Supersonic Frequency)
U30	20	00	00	00	Front Door Open		

Classified Code	ST1	ST2	ST3	ST4		Content
U31					ADF Door Open	
U34	24	00	00	00	Imprinter Door Open	
U35	25	00	00	00	Document Cover Open	
F40	30	00	00	00	Hopper Drive Error	· · · · · · · · · · · · · · · · · · ·
F41	31	х	00	00	Carriage Drive Error	(ST2:0 = Reverse direction 1=Forward direction)
F50	40	00	00	00	Size Sensor 0 Error	
F51	41	00	00	00	Staring Posiiton Sensor Error	
F55	45	00	00	00	Ending Position Sensor Error	
F60					Front-side gain Error	
F71	48				Size Sensor 1 Error	
F72	49				Size Sensor 2 Error	
F73	4A				Size Sensor 3 Error	
F74	4B				Size Sensor 4 Error	
F75	4C				Size Sensor 5 Error	
F76	4D 4E				Size Sensor 6 Error Size Sensor 7 Error	*************************************
F77 F78	4E 4F				Size Sensor 7 Error Size Sensor 8 Error	
F80	60	х	-	00	Double Feed Sensor Error	(ST2: DA output Value, STS3: AD input value)
F61	51	00	X 00	00	Front-side Black Level Error	(312. DA output Value, 3133. AD input Value)
F63	53	00	00	00	Back-side Black Level Error	
H68	54	00	x	00	Front-side Lamp Lighting Error	(STS3: AD input value)
F69	55	x	x	00	Back-side Lamp Lighting Error	(STS2: Lighting Value, STS3: AD input value)
U41	58	00	00	00	Scanning Position Adjustment (Auto Mode)	
F10	80	00	00	00	Program ROM Error on MAIN CONTROL Box	· · · · · · · · · · · · · · · · · · ·
F11	81	х	х	х	Work RAM Error on MAIN CONTROL Board	
F17	87	00	00	00	On Board DRAM Error	
F18	88	00	00	00	SIMM 1 Error	
F19	89	00	00	00	SIMM 2 Error	
F20	8A	х	Х	х	Bar-code RAM Error	(ST2: Data) (ST3, 4: Address)
F21	8B	х	х	х	Black Shading RAM Error	(ST2: Data) (ST3, 4: Address)
F22	8C	X	x	X	White Shading RAM Error	(ST2: Data) (ST3, 4: Address)
F23	8D	x	x	X	A-Buffer RAM Error	(ST2: Data) (ST3, 4: Address)
F24	8E	X	х	х	B-Buffer RAM Error	(ST2: Data) (ST3, 4: Address)
F25	8F	X	х	X	C-Buffer RAM Error	(ST2: Data) (ST3, 4: Address)
F26	90	X	Х	X	Gumma RAM Error	(ST2: Data) (ST3, 4: Address)
F27	91	X	X	X	MTF1 RAM Error	(ST2: Data) (ST3, 4: Address)
F28	92	X	X	X	MTF2 RAM Error	(ST2: Data) (ST3, 4: Address)
F29	93	X	X	X	MTF3 RAM Error	(ST2: Data) (ST3, 4: Address)
F30	94	X	X	X	ED1 RAM Error ED2 RAM Error	(ST2: Data) (ST3, 4: Address) (ST2: Data) (ST3, 4: Address)
F31 F34	95_ 98	00	00	00	EEPROM Error	(312. Data) (313, 4. Muuless)
F35	99	00	00	00	SCSI TIARA Error	
F36	99 9A	00	00	00	GA Sensor Error	
F37	9B	00	00	00	GAImage Error	
U50	A0	00	00	00	Not installed I/F Board	

Table 9-2



SECTION 10 TROUBLESHOOTING

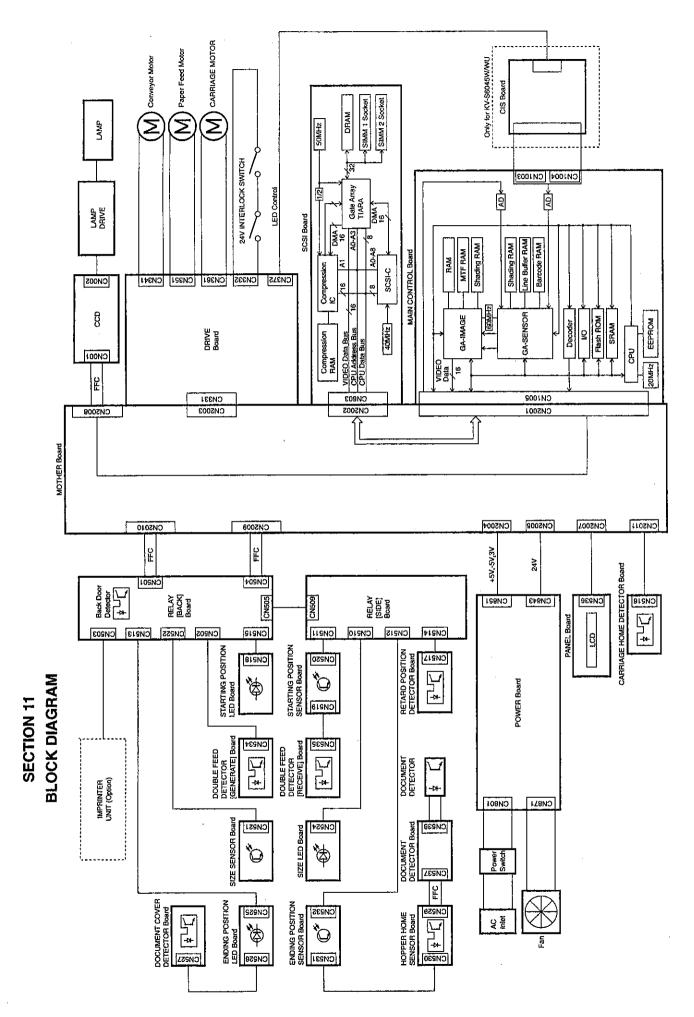
Error Code for KV-S6045(S6040) as shown in Table 9-1. (See 9.7)

Classified Code	E	Error Code			Possible Cause	Check Point
U10	10	00	00	00	Paper Detector does not work. 1) Paper has not been properly set. 2) The back side of the last scanning is black. 3) A connector for the sensor signal is loosen. 4) Paper Detector is damaged.	 Fix the torn or ripped paper. Place a white sheet of paper on the bottom sheet of the original, as a dummy. Confirm operation of the sensor in Test Mode. If the sensor does not work, the connector has come loose. Attach the connector correctly. Check whether the cable and or Sensor board are broken.
U11	11	xx	00	00	Paper does not feed in the correct timing. 1) Slip caused by dirt of the roller. 2) Conveyor has not been set properly. 3) Double Feed. 4) Sensor error.	 Replace the Paper Feed Roller, Separation Roller, or Retard Roller if they are worn down. Set conveyor properly. Clean the Separation Roller and Retard Roller. Confirm whether the Retard Roller is properly set. Replace the Paper Feed Roller, Separation Roller, or Retard Roller if they are worn down. Clean any paper dust off of the sensor section.
U12	12	×	00	00	Paper does not reach to the Starting Position Sensor. 1) Paper Feed Roller, Separation Roller, and Retard Roller are slipping. 2) Following Paper which cause Double Feed is left, inside unit. 3) Sensor error.	Clean the Paper Feed Roller, Separation Roller, and Retard Roller. Clean the Separation Roller and the Retard Roller. Clean any paper dust on the sensor section.
U13	13	×	00	00	Paper does not reach to the Ending Position Sensor. 1) Slip caused by dirt of the roller. 2) Sensor error. 3) Conveyor has not been properly installed.	Clean the Conveyor Roller. Clean any paper dust on the sensor section. Assemble the conveyor properly.
U16	16	xx	00	00	Paper does not pass the Ending Position Sensor. 1) Slip caused by dirt of the roller. 2) Sensor error. 3) Conveyor has not been properly installed.	Clean the Conveyor Roller. Clean any paper dust on the sensor. Assemble the conveyor properly.

Classified						
Code	Е	rror	Coc	le	Possible Cause	Check Point
U18	18	xx 00 00		00	 Paper remains in the equipment. The Paper Detector is ON. LED is broken. Sensor is broken. Confirm the LED and the sensor operation state. Confirm steps: Start the Doc Sensor Test in Test Mode. Open the conveyor and shine a light on the sensor. If the sensor turns ON, there is a problem with the LED. If the sensor does not turn ON, there is a problem with the sensor. Conveyor is not assembled correctly. LED or Sensor is laid down. Sensor is covered with paper dust. 	1) Remove paper. 2) ① Replace the LED. ② Replace the Sensor. ③ Assemble the conveyor properly. ④ Replace the LED or sensor. ⑤ Clean any dust on the sensor section.
U30	20	00	00	00		Check that the Front Door Switch is not being correctly shut down. Replace the Front Door Switch.
U31	21	00	00	00		Check that the ADF Door Switch is not being correctly shut down. Replace the ADF Door Switch.
U32	22	00	00	00	U32 Error Code does not turn off even through the Back Door is closed. 1) The connector to the Back Door Detector is loosen. 2) The Back Door Detector is broken.	Connect the cables properly. Replace the sensor board.
U35	25	00	00	00		Connect the cables properly. Replace the sensor board.
F40	30	×	00	00	The Hopper Home Sensor does not operate properly. 1) The connector to the HOPPER POSITION DETECTOR Board is not properly inserted. 2) The Hopper Home Detector is broken.	Mount the connector properly. Replace the HOPPER POSITION DETECTOR Board.
F50	40	00	00	00	1) Paper dust on the sensor section.	1) Clean the sensor section.
					ED or sensor is laid down. LED has reached the end of its useful life.	2) Straighten the LED or sensor. 3) Replace the LED.
F78 F10	4F 80	00	00	_	Program ROM is not correctly mounted. Download has failed.	1) Remount ROM correctly. 2) ① Download again. ② Replace the Program ROM or the MAIN CONTROL Board.
F11	81	ж	×		Poor soldering around the Work RAM (IC1105,IC1106) on the MAIN CONTROL Board. (ST2: DATA) (ST3, 4: Address)	Replace the MAIN CONTROL Board.
F15	85	00	00	00	Download to Imprinter has failed.	Replace the IMPRINTER Board. Confirm the cable connected to IMPRINTER Board. Soard. Confirm MAIN CONTROL Board Imprinter I/F section.

Classified Code	E	rror	Cod	de	Possible Cause	Check Point	
F17	87	00	00	00	Poor soldering around the D-RAM (IC610~ Replace the SCSI Board.		
F18	88	00	00	00	Additional SIMMs are not mounted correctly.	Remount the SIMMs.	
F19	89	00	00	00	Additional SIMMs are not mounted correctly.	Remount the SIMMs.	
F20	8A	×	xx	xx	1) Bar-code on paper is not clear. 2) Paper powder is on the scanning position. 3) The Bar-code is out of Code 39, ITV or CODABAR. 4) The location of the Bar-code has been incorrectly set.	1) Make the Bar-code clear. 2) Clean the reading section. 3) Out of specification. 4) Set the location correctly.	
F21	8B	xx	xx	xx	Poor soldering on the MAIN CONTROL Board.	Replace the MAIN CONTROL Board.	
1		``	1	1		Error Code device detected by Error Code ST1.	
l 507						8B IC1202	
F37	9B	xx	xx	XX		8C IC1203	
						8D IC1205	
	!					8E IC1206	
	İ			İ		8F IC1207	
		1			•	90 IC1211	
						91 IC1212	
						92 IC1213	
		1				93 IC1214	
						94 IC1209	
		1				95 IC1210	
						98 IC1103	
						99 IC600	
						9A IC1201	
						9B IC1208	





Explanation of Connectors

Note: Signal names which begin with asterisk (*) indicates that the corresponding signal is LOW when active.

CN1003 (MAIN) - (CIS)

Pin No.	Signal Name	Description
1	CIS IN 1	Contact Image Sensor Signal1
2	AGND	Analog Ground
3	+5V	+5V
4	-5V	-5V
5	CISSP1	Start Pulse1 for CIS
6	GND	Ground
7	CISCLK1	Clock1 for CIS
8	GND	Ground

CN1004 (MAIN) - (CIS)

Pin No.	Signal Name	Description
1	CIS IN2	Contact Image Sensor Signal2
2	AGND	Analog Ground
3	+5V	+5V
4	-5V	-5V
5	CISSP2	Start Pulse2 for CIS
6	GND	Ground
7	CISCLK2	Clock2 for CIS
8	GND	Ground
9	CIS SIZE DET1	CIS Size detect1
10	CIS SIZE DET2	CIS Size detect2

CN1005 (MAIN) - CN2001 (MOTHER)

Pin No.	Signal Name	Description					
1	AGND	Analog Ground					
2	AGND	Analog Ground					
3	CCD EVEN	CCD EVEN Data					
4	-5V	-5V					
5	CCD ODD	CCD ODD Data					
6	AGND	Analog Ground					
7	CCDROG	CCD ROG					
8	GND	Ground					
9	CCDCLAMP	CCD Clamp					
10	CCDS/H	CCD Sample Hold					
11	GND	Ground					
12	CCD RST	CCD RESET pulse					
13	CCD P2	CCD DATA CLOCK 2					
14	CCD P1	CCD DATA CLOCK 1					
15	GND	Ground					
16	CCD DET2	CCD Board detect 2					
17	CCD DET1	CCD Board detect 1					
18	LED (RD)	LED (Red)					
19	LED (GR)	LED (Green)					
20	+5VA	+5V (for Analog)					
21	+5VD	+5V (for Digital)					
22	RESERVÉ						
23	RESERVE						
24	RESERVE						
25	RESERVE						
26	TXD0	TXD0 for Pre Imprinter					
27	RXD0	RXD0 for Pre Imprinter					
28	RTS0	RTS0 for Pre Imprinter					
29	CTS0	CTS0 for Pre Imprinter					
30	*JBIGIRQ	JBIG interrupt request					
31	*ACTTER	Active Terminator Enable					
32	DA LD2	D/A Load 2					
33	ANALOG GAIN2	GAIN Select Signal					
34	ANALOG GAIN1	(Not Used)					
35	ANALOG LD	Analog Control Signal Strobe					
36	RESERVE	Start Pulse for Post Imprinter					

Pin No.	Signal Name	Description
37	+5VD	+5V (for Digital)
38	+5VD	+5V (for Digital)
39	PRE IMP SP	Start Pulse for Pre Imprinter Door Sensor
40	BUZZER	Buzzer Pulse
41	TXD2	TXD2 for Video serial interface
42	RXD2	RXD2 for Video serial interface
43	RTS2	RTS2 for Video serial interface
44	CTS2	CTS2 for Video serial interface
45	AN0	Alternate output data bus0
46	AN1	Alternate output data bus1
47	AN2	Alternate output data bus2
48	AN3	Alternate output data bus3
49	AN4	Alternate output data bus4
50	AN5	Alternate output data bus5
51	GND	Ground
52	GND	Ground
53	E (LCD)	LCD Enable
54	R/W (LCD)	LCD Read/Write Enable
55	RS (LCD)	LCD Resistor Select
56	CLK40K	Clock output 40kHz
57	D/ALD	D/A Load
58	D/ACLK	D/A Clock
59	D/ADATA	D/A Data
60	RESET (IMP.)	Reset (for Imprint)
61	*CS	Chip Select for SCSI
62	*CS	Chip Selectfor JBIG
63	*IRQ3	TIARA Interrupt request
64	*CS6	Chip Select for TIARA
65	IRQ1	SCSI Interrupt request
66	*BUSEN	Bus Driver Enable
67	*CS CARRIGE	Chip Select for CARRIGE
68	*CS FEED	Chip Select for FEED
69	*CS CONVEYOR	Chip Select for CONVEYOR
70	*CS SIZE	Chip Select for SIZE
71	*CS KEY2	Chip Select for KEY2
72	*CS KEY1	Chip Select for KEY1
73	*CS PAPER	Chip Select for PAPER
74	*CS I/F BOARD	Chip Select for I/F BOARD
75	*RESET	Reset
76	*WAIT	CPU Wait
77	*CPUAS	CPU Address strobe
78	*CPUWR	CPU Write
79	*CPURD	CPU Read
80	GND	Ground
81	GND	Ground
82	CPUD15	CPU Data15
83	CPUD14	CPU Data14
84	CPUD13	CPU Data13
85	CPUD12	CPU Data12
86	CPUD11	CPU Data11
87	CPUD10	CPU Data10
88	CPUD9	CPU Data9
89	CPUD8	CPU Data8
90	+5VD	+5V (for Digital)
91	+5VD	+5V (for Digital)
92	CPUD7	CPU Data7
93	CPUD6	CPU Data6
94	CPUD5	CPU Data5
95	CPUD4	CPU Data4
96	CPUD3	CPU Data3
97	CPUD2	CPU Data2

CN1005 (MAIN) - CN2001 (MOTHER) (continued)

CN100	CN1005 (MAIN) - CN2001 (MOTHER) (continued)		
Pin No.	Signal Name	Description	
98	CPUD1	CPU Data1	
99	CPUD0	CPU Data0	
100	GND	Ground	
101	GND	Ground	
102	CPUA8	CPU Address8	
103	CPUA7	CPU Address7	
104	CPUA6	CPU Address6	
105	CPUA5	CPU Address5	
106	CPUA4	CPU Address4	
107	CPUA3	CPU Address3	
108	CPUA2	CPU Address2	
109	CPUA1	CPU Address1	
110	CPUA0	CPU Address0	
111	+5VD	+5V (for Digital)	
112	+5VD	+5V (for Digital)	
113	*FPAGE	Front Page Enable	
114	*BPAGE	Back Page Enable	
115	FWEN	Front Line Enable	
116	BWEN	Back Line Enable	
117	GND	Ground	
118	WRSTB	Video Clock	
119	GND	Ground	
120	VD15	Video Data 15	
121	VD14	Video Data 14	
122	VD13	Video Data 13	
123	VD12	Video Data 12	
124	VD11	Video Data 11	
125	VD10	Video Data 10	
126	VD9	Video Data 9	
127	VD8	Video Data 8	
128	GND	Ground	
129	VD7	Video Data 7	
130	VD6	Video Data 6	
131	VD5	Video Data 5	
132	VD4	Video Data 4	
133	VD3	Video Data 3	
134	VD2	Video Data 2	
135	VD1	Video Data 1	
136	VD0	Video Data 0	
137	+3VD	+3V	
138	+3VD	+3V	
139	GND	Ground	
140	GND	Ground	

CN603 (SCSI) - CN2002 (MOTHER)

Pin No.	Signal Name	Description
i	GND	Ground
2	GND	Ground
3	VD0	Video Data 0
4	VD1	Video Data 1
5	VD2	Vldeo Data 2
6	VD3	Video Data 3
7	VD4	Video Data 4
8	VD5	Video Data 5
9	VD6	Video Data 6
10	VD7	Video Data 7
11	GND	Ground
12	VD8	Video Data 8
13	VD9	Video Data 9
14	VD10	Video Data 10
15	VD11	Video Data 11
16	VD12	Video Data 12
17	VD13	Video Data 13
18	VD14	Video Data 14
19	VD15	Video Data 15
20	GND	Ground

Pin No.	Signal Name	Description
21	WRSTB	Video Clock
22	GND	Ground
23	*BWEN	Back Line Enable
24	*FWEN	Front Line Enable
25	BPAGE	N.C.
26	FPAGE	N.C.
27	+5VD	+5V
28	CPUA0	CPU Address0
29	CPUA1	CPU Address1
30	CPUA2	CPU Address2
31	CPUA3	CPU Address3
32	CPUA4	CPU Address4
33	+5VD	+5V
34	CPUA5	CPU Address5
35	CPUA6	CPU Address6
36	CPUA7	CPU Address7
37	CPUA8	CPU Address7
38	GND	Ground
39	GND	Ground
40	CPUD0	CPU Data0
41	CPUD1	CPU Data1
42	CPUD2	CPU Data2
43	CPUD3	CPU Data3
44	+5VD	+5V
45	CPUD4	CPU Data4
46	CPUD5	CPU Data5
47	CPUD6	CPU Data6
48	CPUD7	CPU Data7
49	GND	Ground
50	CPUD8	CPU Data8
51	CPUD9	CPU Data9
52	CPUD10	CPU Data10
53	CPUD11	CPU Data11
54	+5VD	+5V
55	CPUD12	CPU Data12
56	CPUD13	CPU Data13
57	CPUD14	CPU Data14
58	CPUD15	CPU Data15
59	GND	Ground
60	*CPURD	CPU Read
61	*CPUWR	CPU Write
62	*CPUAS	CPU Address strobe CPU Wait from TIARA
63	SCWAIT	Ground Ground
65	*RESET	Reset
66	GND	Ground
67	*SCSI IRQ	SCSI Input request
68	*TIARACS	Chip Select for TIARA
69	*TIARACS	TIARA input request
70	*JBIGCS	Chip Select for JBIG
71	*SCSICS	Chip Select for SCSI
72	*VERCS	Chip Select for VER
73	CTS2	(Not Used)
74	RTS2	(Not Used)
75	RXD2	(Not Used)
76	TXD2	(Not Used)
77	*ACTTER	Active Terminator Control
78	*JBIGIRQ	JBIG input request
79	GND	Ground
80	GND	Ground
<u></u>	1	Land the second

CN351 (DRIVE) - Paper Feed Motor

Pin No.	Signal Name	Description
1	*FA	Feed Motor phase- A ()
2	-	N.C.
3	FCOMA	24V for Feed Motor
4	FA	Feed Motor phase- A (+)

CN351 (DRIVE) - Paper Feed Motor (continued) CN332 (DRIVE) - 24V INTERLOCK SWITCH

Pin No.	Signal Name	Description
5	*FB	Feed Motor phase- B ()
6	FCOMB	24V for Feed Motor
7	FB	Feed Motor phase- B (+)

CN2003 (MOTHER) - CN331 (DRIVE)

	<u> 3 (MOTHER) – (</u>	N331 (DRIVE)
Pin No.	Signal Name	Description
1	LD0	Local Data Bus 0
2	CS	CSFEED
3	CS	CSCAR
4	SKEW	SKEW
5	D/A DATA	DAC DATA
6	D/A CLK	DAC CLK
7	D/A LD	DAC LD2
8	+38V	+38V
9	VCC	+5VD
10	GND	Ground
11	GND	Ground
12	GND	Ground
13	GND	Ground
14	GND	Ground
15	+24V	+24V
16	+24V	+24V
17	LD1	Local Data Bus 1
18	RESET	Reset
19	LD2	Local Data Bus 2
20	LD3	Local Data Bus 3
21	CS	CSCONV
22	LD4	Local Data Bus 4
23	LD5	Local Data Bus 5
24	LD6	Local Data Bus 6
25	LD7	Local Data Bus 7
26	VCC	+5VD
27	LAMP2 SWITCH	LAMP SW2
28	LAMP1 SWITCH	LAMP SW1
29	GND	Ground
30	DOOR2 SWITCH	LAMP SW2
31	DOOR1 SWITCH	LAMP SW1
32	+24V	+24V

CN341 (DRIVE) - Conveyor Motor

Pin No.	Signal Name	Description
1	*CA	Conveyor Motor Phase-A (-)
2	CCOMA	+24V for Conveyor Motor
3	CA	Conveyor Motor Phase-A (+)
4	*CB	Conveyor Motor Phase-B (-)
5	CCOMB	24V for Conveyor Motor
6	СВ	Conveyor Motor Phase-B (+)

CN361 (DRIVE) - CARRIAGE MOTOR

Pin No.	Signal Name	Description
1	*RA	Carriage Motor Phase-A (-)
2	~	N.C.
3	RCOMA	24V for Carriage Motor
4	RA	Carriage Motor Phase-A (+)
5	*RB	Carriage Motor Phase-B (~)
6	RCOMB	24V for Carriage Motor
7	RB	Carriage Motor Phase-B (+)
8	=	N.C.

Pin No.		Description
1	+24V3	ADF Switch for +24V
2	+24V2	ADF Conveyor Switch for +24V
3	+24V2	ADF Conveyor Switch for +24V
4	+24V1	+24V

CN372 (DRIVE) - (CIS)

41101 B	(-:::-) (4:4	/
Pin No.	Signal Name	Description
1	_	N.C.
2	GREEN	Green
3	GND	Ground
4	Red	Red
5		N.C.

CN801 (POWER) - Power Switch

Pin No.	Signal Name	Description
1	NEUTRAL	Neutral
2		N.C.
3	LIVE	Live

CN871 (POWER) - Fan

Pin No.	Signal Name	Description
1	+24V0VP	+24V
2	-	N.C.
3	FAN	Fan

Power Switch - A/C Inlet

Pin No.	Signal Name	Description
1	NEUTRAL	Neutral
2		N.C.
3	LIVE	Live

CN2007 (MOTHED) _ CN836 (DANEL)

Pin No.	Signal Name	Description
1	LD 0	L-Data 0
2	LD 1	L-Data 1
3	LD 2	L-Data 2
4	LD 3	L-Data 3
5	LD 4	L-Data 4
6	LD 5	L-Data 5
7	LD 6	L-Data 6
8	LD 7	L-Data 7
9	+5 V \$	+5V
10	+5VS	+5V
11	+12VS	+12V
12	LCD RS	LCD Resistor Select
13	LCD R W	LCD Read/Write Enable
14	LCD E	LCD Enable
15	BUZZER	Buzzer Pulse
16	KEY1	KEY1 Enable
17	KEY2	KEY2 Enable
18	LEDGR	LED (Green)
19	LEDRD	LED (Red)
20	GND	Ground
21	GND	Ground
22	GND	Ground

CN2010 (MOTHER) - CN501 (RELAY [BACK])

Pin No.	Signal Name	Description
1	CTS0	CTS0 for Pre Imprinter
2	TXD0	TXD0 for Pre Imprinter
3	RTS0	RTS0 for Pre Imprinter
4	RXD0	RXD0 for Pre Imprinter
5	IMP RST	Imprinter Reset
6	PREIMPSP	Start Pulse for Post imprinter Door Sensor
7	+5V	+5V
8	38V	38V
9	38V	38V
10	+12V	+12V
11	GND	Ground
12	GND	Ground
13	CLK40K	Clock output 40kHz
14	+5V	+5V
15	DFGAIN	
16	+24V	+24V
17	GND	Ground
18	SIZE 0	Paper Size Sensor 0
19	SIZE 1	Paper Size Sensor 1
20	SIZE 2	Paper Size Sensor 2
21	SIZE 3	Paper Size Sensor 3
22	SIZE 4	Paper Size Sensor 4
23	SIZE 5	Paper Size Sensor 5
24	SIZE 6	Paper Size Sensor 6
25	SIZE 7	Paper Size Sensor 7
26	SIZE 8	Paper Size Sensor 8
27	DOOR IMP	Imprinter Door Status
28	+5V	+5V

CN2009(MOTHER) - CN504 (RELAY [BACK])

CN2009(MOTHER) - CN504 (RELAY [BACK])			
Pin No.	Signal Name	Description	
1	GND	Ground	
2	GND	Ground	
3	-	N.C.	
4	START LED	Starting LED	
5	RETARD	Retard	
6	FB DOOR	Flat Bed Door Status	
7	END LED	Ending LED	
8	END POS	Ending Position	
9	HOPP MID	Hopper MID	
10	HOPP POS	Hopper Position	
11	PAPER RF	LED Current Control	
12	PAPER	Paper	
13	START POS	Paper Position	
14	DBL FEED	Double Feed	
15	+12V	+12V	
16	SIZE 0	Paper Size LED 0	
17	SIZE 1	Paper Size LED 1	
18	SIZE 2	Paper Size LED 2	
19	SIZE 3	Paper Size LED 3	
20	SIZE 4	Paper Size LED 4	
21	SIZE 5	Paper Size LED 5	
22	SIZE 6	Paper Size LED 6	
23	SIZE 7	Paper Size LED 7	
24	SIZE 8	Paper Size LED 8	
25	+5V	+5V	
26	+5V	+5V	

CN2011 (MOTHER) – CN516(CARRIAGE HOME DETECTOR)

Pin No.	Signal Name	Description	
1	GND	Ground	_
2	CARRIAGE	Carriage	
3		N.C.	
4	VCC	+5V	

CN2008 (MOTHER) - CN001(CCD Board)

Pin No.	Signal Name	Description
1	+24V	+24V
2	+24V	+24V
3	GND	Ground
4	GND	Ground
5	LAMP SW1	LAMP SW 1
6	LAMP SW2	LAMP SW 2
7	CCDDET2	CCD Board detect 2
8	AGND	Analog Ground
9	AGND	Analog Ground
10	CCD ODD	CCD ODD DATA
11	AGND	Analog Ground
12	CCD EVEN	CCD EVEN DATA
13	GND	Ground
14	CCDDET1	CCD Board detect 1
15	VCC	+5V
16	DAC DATA	DAC Data
17	DAC CLK	DAC Clock
18	CCD CLMP	CCD Clamp
19	ANLG LD	Analog Control Signal Strobe
20	GAIN2	GAIN 2
21	GAIN1	GAIN1
22	GND	Ground
23	CCD ROG	CCD ROG
24	CCD P1	CCD DATA Clock 1
25	CCD P2	CCD DATA Clock 2
26	GND	Ground
27	GND	Ground
28	CCD RST	CCD RESET pulse
29	GND	Ground
30	CCD SH	CCD Sample Hold
31	GND	Ground
32	GND	Ground
33	-5V	-5V
34	+12V	+12V

CN503 (RELAY (BACK)) - Imprinter (Option)

Pin No.	Signal Name	Description
1	CTS0	TXD0 for Imprinter serial interface
2	TXD0	RXD0 for Imprinter serial Interface
3	RTS0	RTS0 for Imprinter serial interface
4	RXD0	CTS0 for Imprinter serial interface
5	IMP RST	Imprinter Reset
6	SP	Start Signal
7	VCC	+5V
8	+38V	+38V
9	+38V	+38V
10	+12VS	+12V
11	GND	Ground
12	GND	Ground

CN2004 (MOTHER) - CN851 (POWER)

Pin No.	Signal Name	Description
1	+5V	+6V
2	+5V	+5V
3	GND	Ground
4	GND	Ground
5	+3.3VD	+3.3V
6	+12V OVP	+12V
7	+5VA	+5V
8	AGND	Analog Ground
9	-5V	_5V

CN2005 (MOTHER) - CN843 (POWER)

Pin No.	Signal Name	Description
1	+24V	+24V
2	+24V	+24V
3	GND	Ground
4	GND	Ground

CN002 (CCD Board) - LAMP DRIVE

Pin No.	Signal Name	Description
1	GND	Ground
2	LAMP1	Lamp Control 1
3	GND	Ground
4	24V	+24V

CN529 (HOPPER HOME SENSOR) - CN537 (DOCUMENT DETECTOR)

Pin No.	Signal Name	Description
1	GND	Ground
2	PAPER	Paper
3	FG	Flame Ground
4	+5V	+5V

CN526 (ENDING POSITION LED) - CN527 (DOCUMENT COVER SENSOR)

Pin No.	Signal Name	Description
1	GND	Ground
2	FB DOOR	FB DOOR status
3	+5V	+5V
4	+5V	+5V

CN531 (ENDING POSITION SENSOR) - CN530 (HOPPER HOME SENSOR)

Pin No.	Signal Name	Description
1	GND	Ground
2	GND	Ground
3	HOPP POS	Hopper Position
4	PAPER	Paper
5	+5V	+5V
6	+5V	+5V
7		N.C.

CN513 (RELAY [BACK]) – CN525 (ENDING POSITION LED)

Pin No.	Signal Name	Description
1	GND	Ground
2	GND	Ground
3	FB DOOR	Flat-Bed Door Sig.
4	END LED	Ending LED
5	+5V	+5V
6	+5V	+5V

CN522 (RELAY [BACK]) - CN521 (SIZE SENSOR)

Pin No.	Signal Name	Description
1	GND	Ground
2	GND	Ground
3		N.C.
4	-	N.C.
5	-	N.C.
6	SIZE 0	Paper Size Sensor 0
7	SIZE 1	Paper Size Sensor 1
8	SIZE 2	Paper Size Sensor 2
9	SIZE 3	Paper Size Sensor 3
10	SIZE 4	Paper Size Sensor 4
11	SIZE 5	Paper Size Sensor 5

Pin No.	Signal Name	Description
12	SIZE 6	Paper Size Sensor 6
13	SIZE 7	Paper Size Sensor 7
14	SIZE 8	Paper Size Sensor 8
15	+5V	+5V
16	+5V	+5V

CN502 (RELAY [BACK]) - CN534 (DOUBLE FEED

DETECTOR (G))

Pin No.	Signal Name	Description
1	+24V	+24V
2	+24V	+24V
3	+5V	+5V
4	-	N.C.
5	DFGAIN	Double-Feed Gain Sig.
6	CLK40K	Clock Output 40kHz
7	GND	Ground
8	GND	Ground

CN515 (RELAY [BACK]) - CN518 (STARTING POSITION LED)

Pin No.	-	Description
1	START LED	Starting LED
2	_	N.C.
3		N.C.
4		N.C.
5	+5V	+5V

CN505 (RELAY [BACK]) - CN509 (RELAY [SIDE])

Pin No.		Description
1	GND	Ground
2	GND	Ground
3	GND	Ground
4	_	N.C.
5	RETARD	Retard
6	END POS	Ending Position
7	HOPP MID	Hopper MID
8	HOPP POS	Hopper POS
9	PAPER RF	LED Current Control
10	PAPER	Paper
11	START POS	Paper Position
12	DBL FEED	Double Feed
13	+12V	+12V
14	SIZE LED 0	Paper Size LED 0
15	SIZE LED 1	Paper Size LED 1
16	SIZE LED 2	Paper Size LED 2
17	SIZE LED 3	Paper Size LED 3
18	SIZE LED 4	Paper Size LED 4
19	SIZE LED 5	Paper Size LED 5
20	SIZE LED 6	Paper Size LED 6
21	SIZE LED 7	Paper Size LED 7
22	SIZE LED 8	Paper Size LED 8
23	+5V	+5V
24	+5V	+5V

CN511 (RELAY [SIDE]) – CN520 (STARTING POSITION SENSOR)

Pin No.	Signal Name	Description
1	GND	Ground
2	GND	Ground
3	START POS	Starting Position
4	DBL FEED	Double Feed
5	+12V	+12V
6	+5V	+5V
7	+5V	+5V

CN510 (RELAY [SIDE]) - CN524 (SIZE LED)

011010	/	, <u> </u>
Pin No.	Signal Name	Description
1	SIZE LED 2	Paper Size LED 2
2	SIZE LED 0	Paper Size LED 0
3	SIZE LED 4	Paper Size LED 4
4	SIZE LED 1	Paper Size LED 1
5	SIZE LED 6	Paper Size LED 6
6	SIZE LED 3	Paper Size LED 3
7	SIZE LED 8	Paper Size LED 8
8	SIZE LED 5	Paper Size LED 5
9	+5V	+5V
10	SIZE LED 7	Paper Size LED 7

CN514 (RELAY [SIDE]) - CN517 (RETARD POSITION DETECTOR)

	BEIEGIGII		
Pin No.	Signal Name	Description	
1	GND	Ground	
2	GND	Ground	
3	RETARD	Retard	
4	+5V	+5V	
5	+5V	+5V	

CN512 (RELAY [SIDE]) - CN532 (RETARD POSITION DETECTOR)

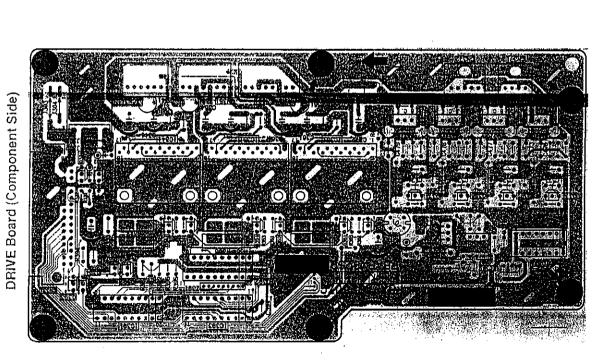
Pin No.	Signal Name	Description
1	GND	Ground
2	GND	Ground
3	END POS	Ending Position
4	HOPP POS	Hopper Position
5	PAPER RF	LED Current Control
6	PAPER	Paper
7	+5V	+5V
8	+5V	+5V

CN538 (DOCUMENT DETECTOR) – DOCUMENT DETECTED SENSOR

Pin No.	Signal Name	Description
1	GND	Ground
2	Paper	Paper
3	FG	Flame Ground
4	+5V	+5V

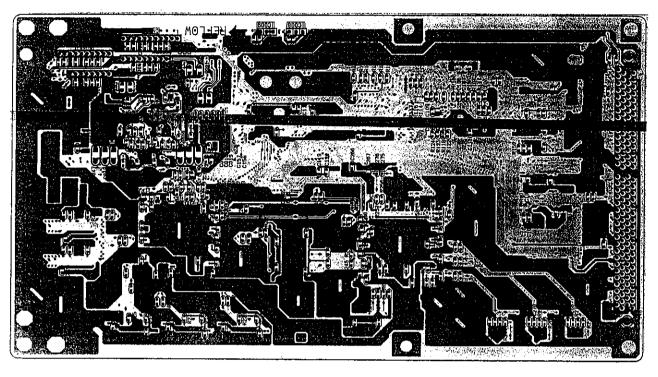


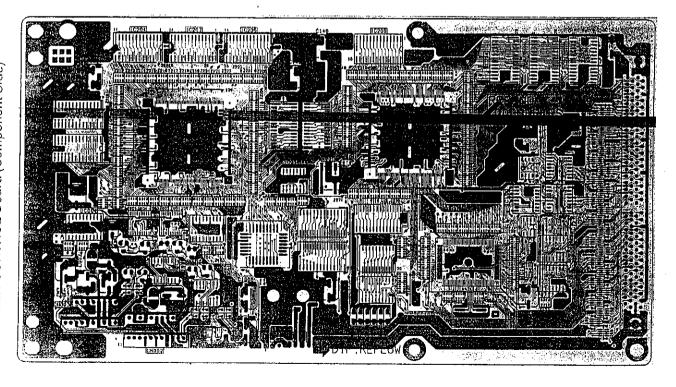
CIRCUIT BOARDS

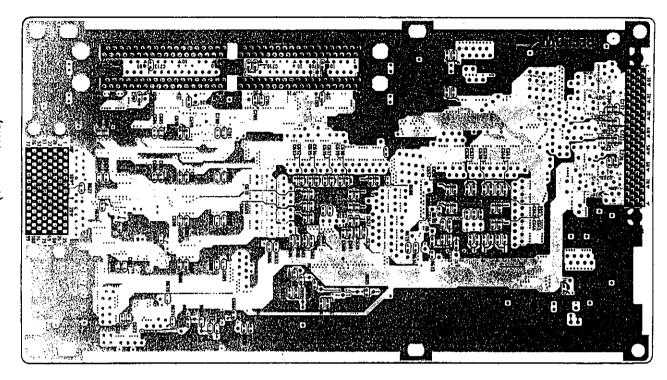


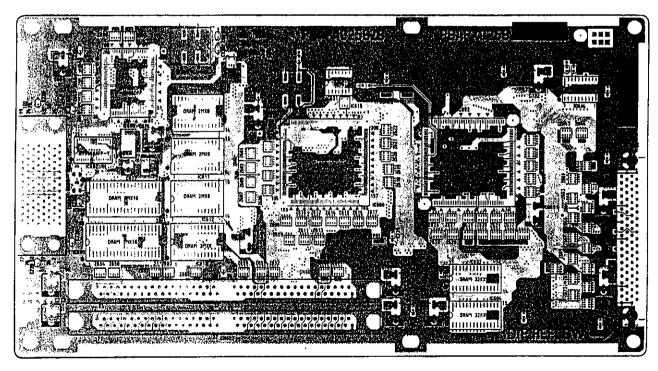
DRIVE Board (Solder Side)

MAIN CONTROL Board (Solder Side)

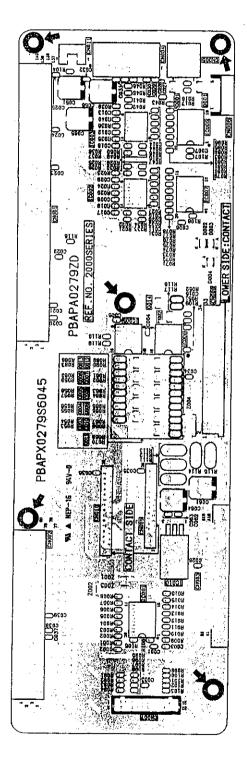




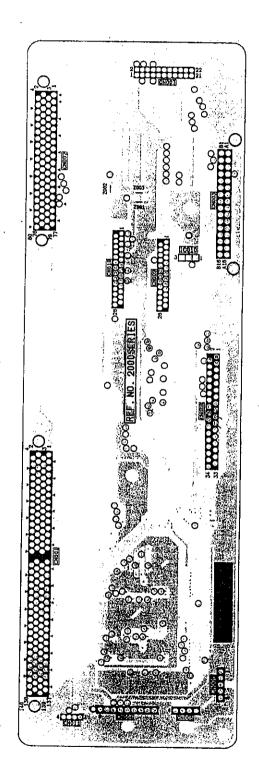


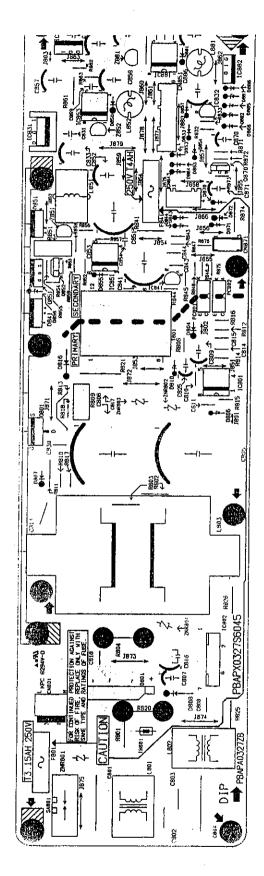


SCSI Board (Component Side)

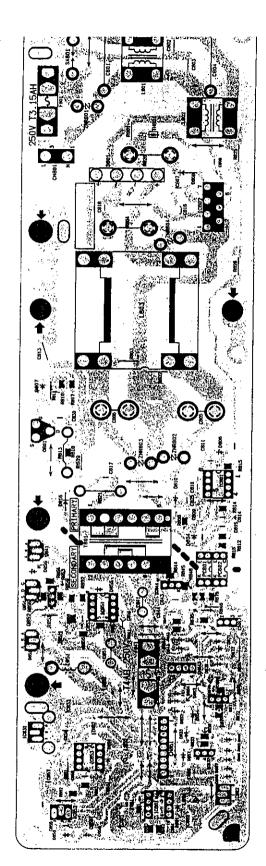


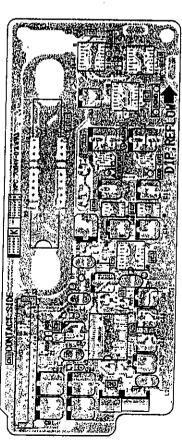
MOTHER Board (Solder Side)



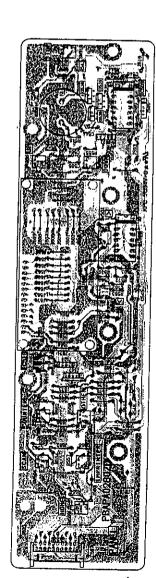


POWER Board (Solder Side)

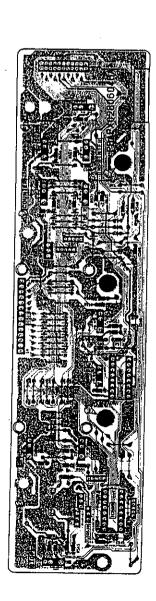




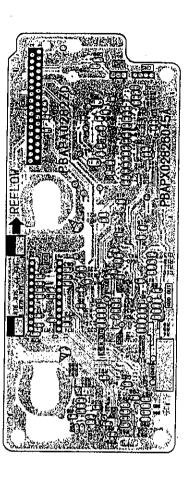
PANEL Board (Component Side)



PANEL Board (Solder Side)



CCD Board (Solder Side)



HOPPER HOME SENSOR Board HOPPER HOME SENSOR Board (Solder Side) (Component Side)

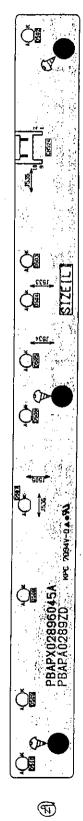


RETARD POSITION **DETECTOR Board** (Component Side)





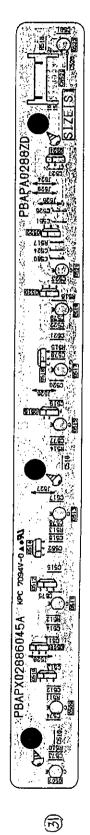
SIZE LED Board (Component Side)



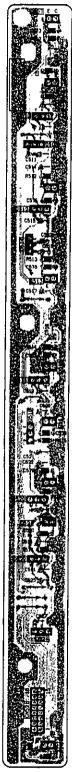
SIZE LED Board (Solder Side)



SIZE SENSOR Board (Component Side)



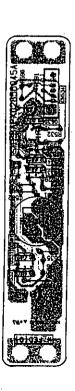
SIZE SENSOR Board (Solder Side)



(3)

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DOUBLE FEED DETECTOR (G) Board (Component Side)



DOUBLE FEED DETECTOR (R) Board (Component Side)



STARTING POSITION LED Board (Component Side)



STARTING POSITION LED Board



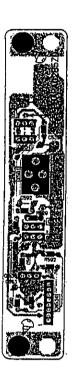
STARTING POSITION SENSOR Board (Component Side)



ENDING POSITION SENSOR Board (Component Side)



DOUBLE FEED DETECTOR (G) Board (Solder Side)



DOUBLE FEED DETECTOR (R) Board (Solder Side)



ENDING LED Board (Solder Side) ENDING LED Board (Component Side)



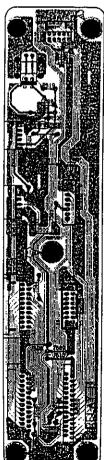
STARTING POSITION SENSOR Board (Solder Side)



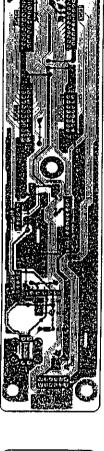
ENDING POSITION SENSOR Board (Solder Side)



RELAY (BACK) Board (Component Side)

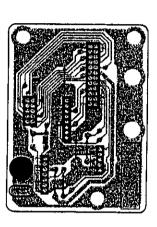


RELAY (SIDE) Board (Component Side)

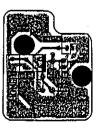


RELAY (BACK) Board (Solder Side)

RELAY (SIDE) Board (Solder Side)



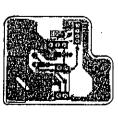
CARRIAGE HOME DETECTOR Board (Component Side)



CARRIAGE HOME DETECTOR Board



(Solder Side)



DOCUMENT COVER SENSOR Board (Component Side)



DOCUMENT COVER SENSOR Board (Solder Side)



DOCUMENT DETECTOR Board (Component Side)



DOCUMENT DETECTOR Board (Solder Side)





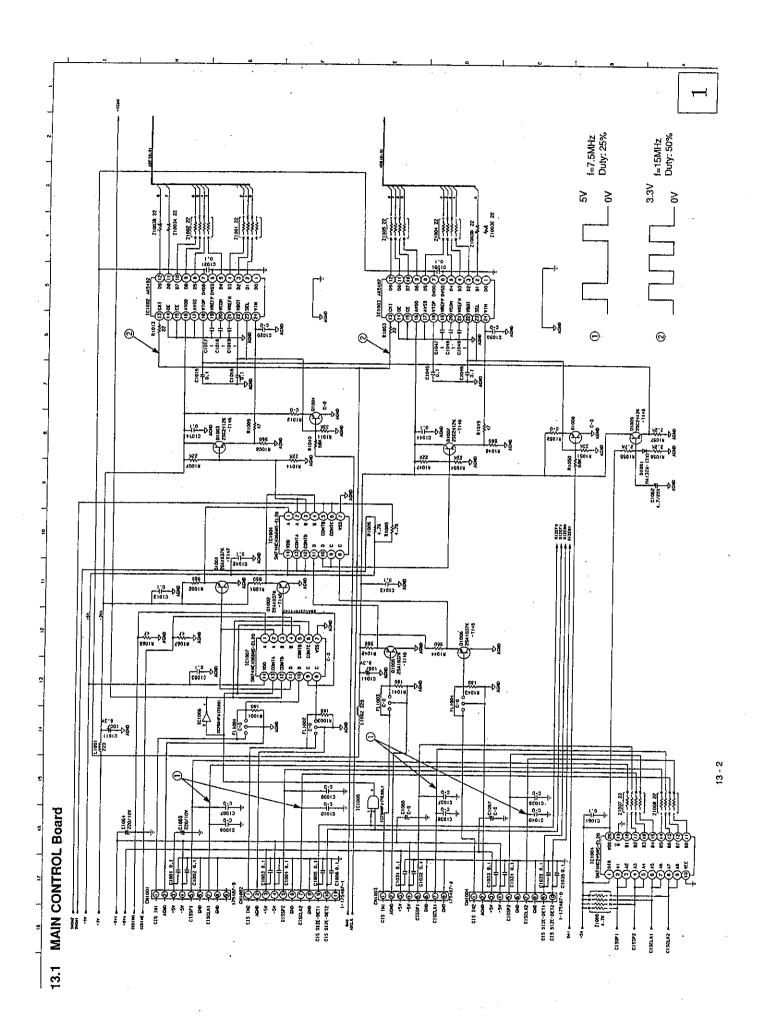
SECTION 13 SCHEMATIC DIAGRAM

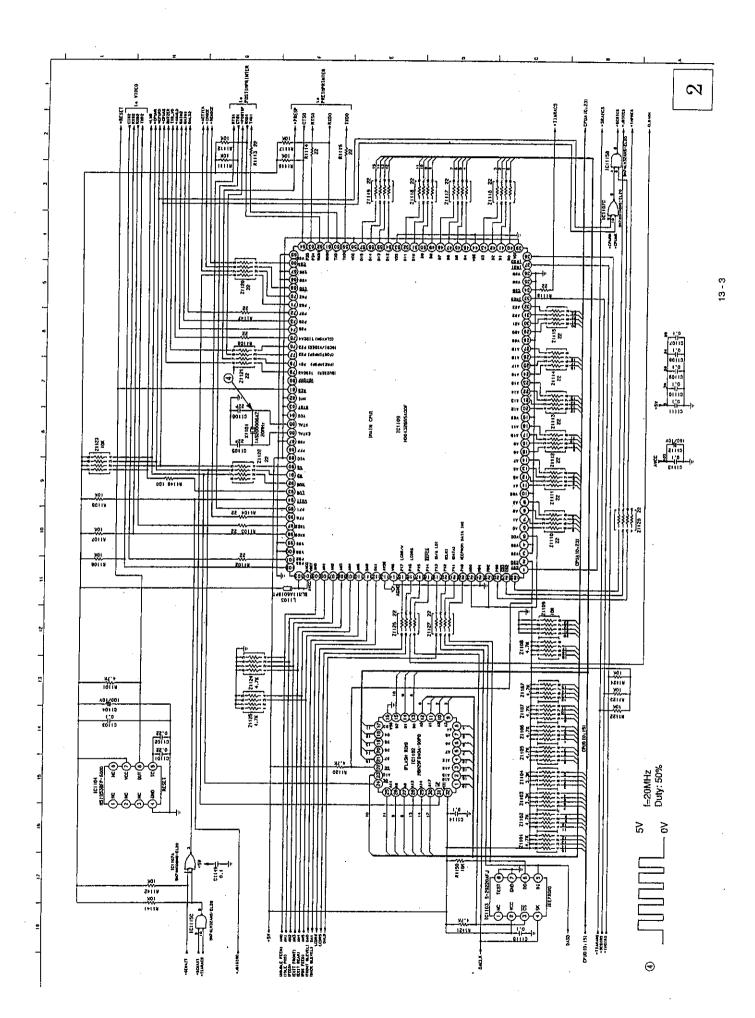
IMPORTANT SAFETY NOTICE

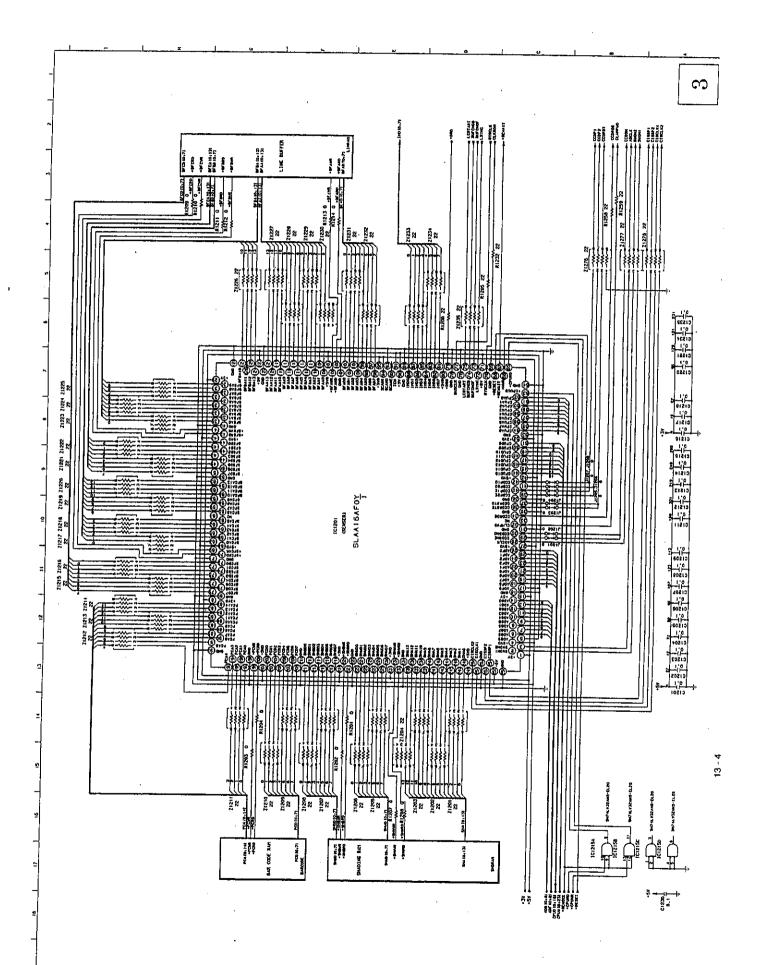
THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THIS SCHEMATIC.

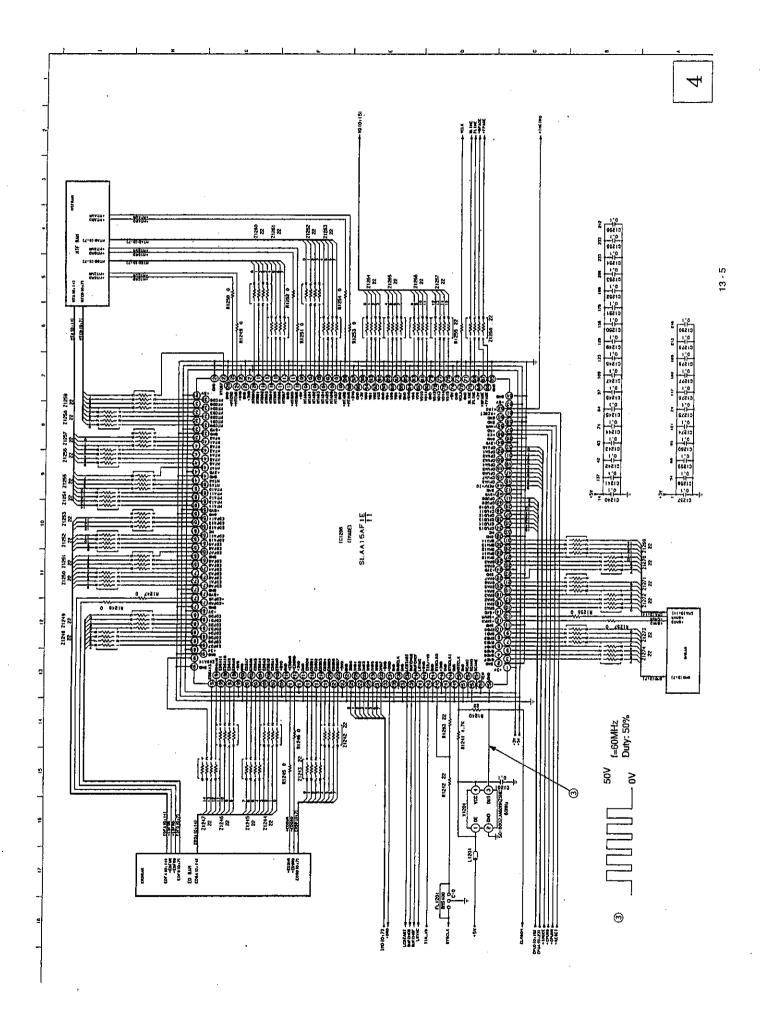
13.1	MAIN CONTROL Board	1	to	13
13.2	SCSI Board	14	to	18
13.3	DRIVE Board	19	to	25
13.4	POWER Board	26	to	27
13.5	MOTHER Board	28	to	29
13.6	PANEL Board			.30
13.7	CCD Board			31
	RELAY (BACK) Board			
	RELAY (SIDE)Board			

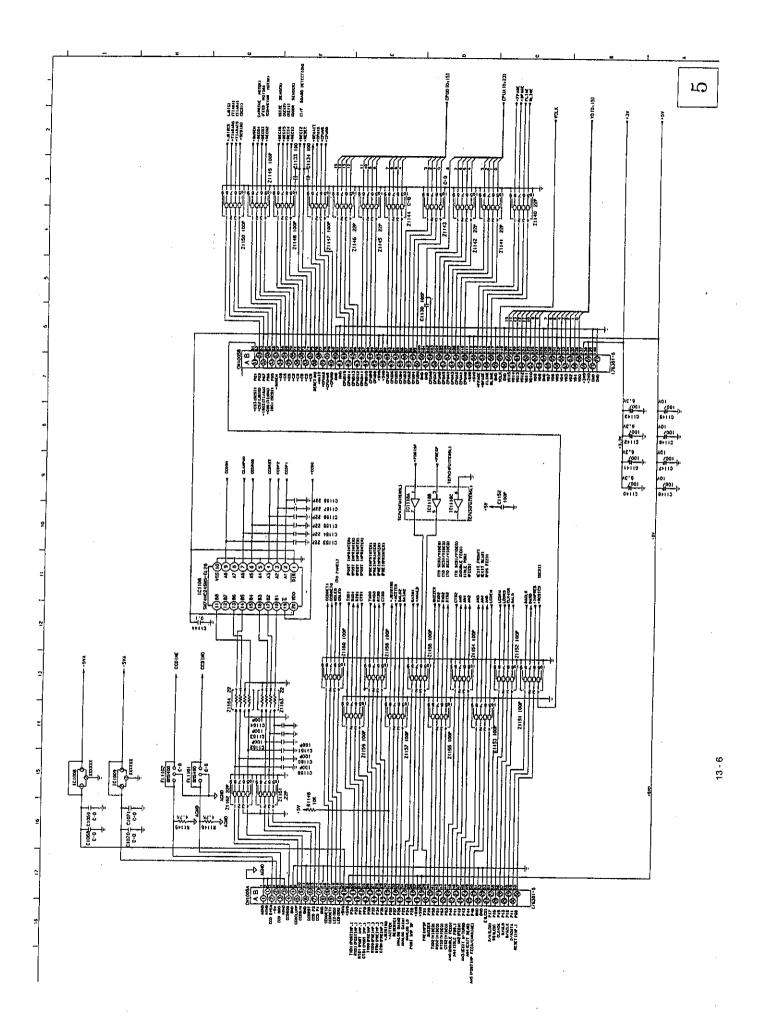
Note:This Schematic Diagram is the latest at the time of printing and subject to change without notice.

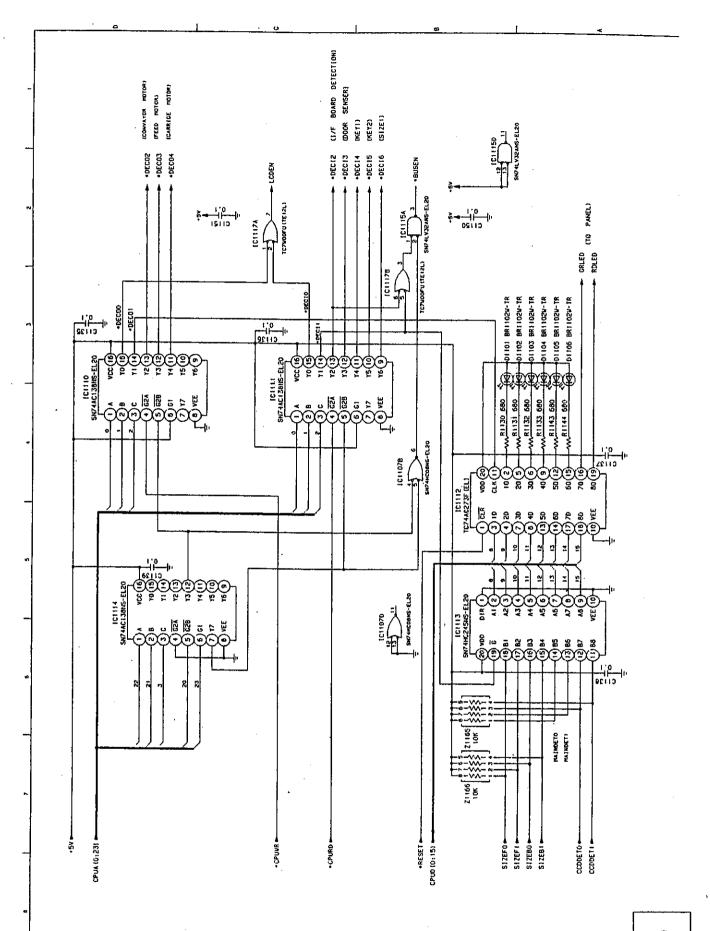




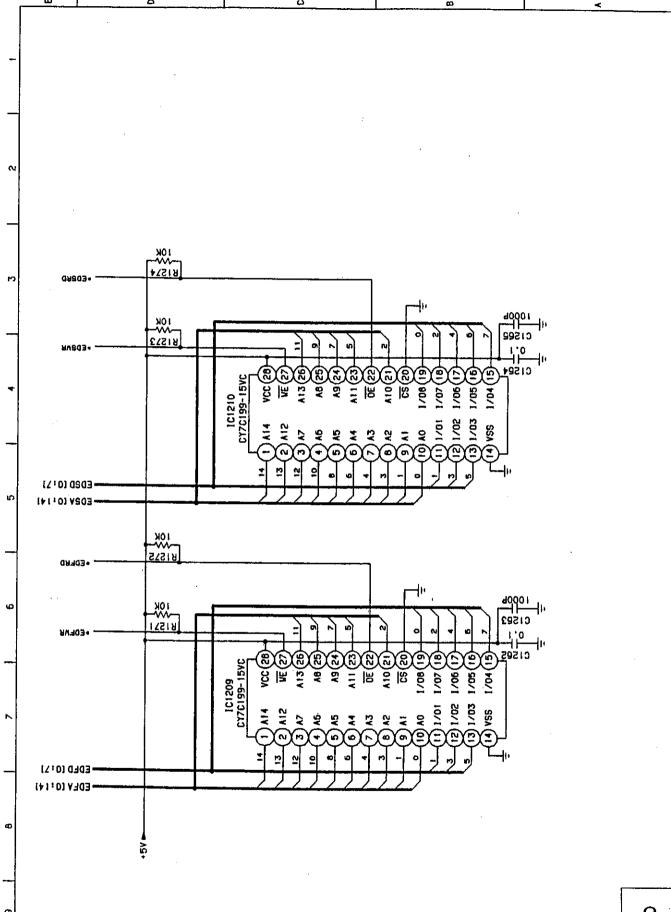


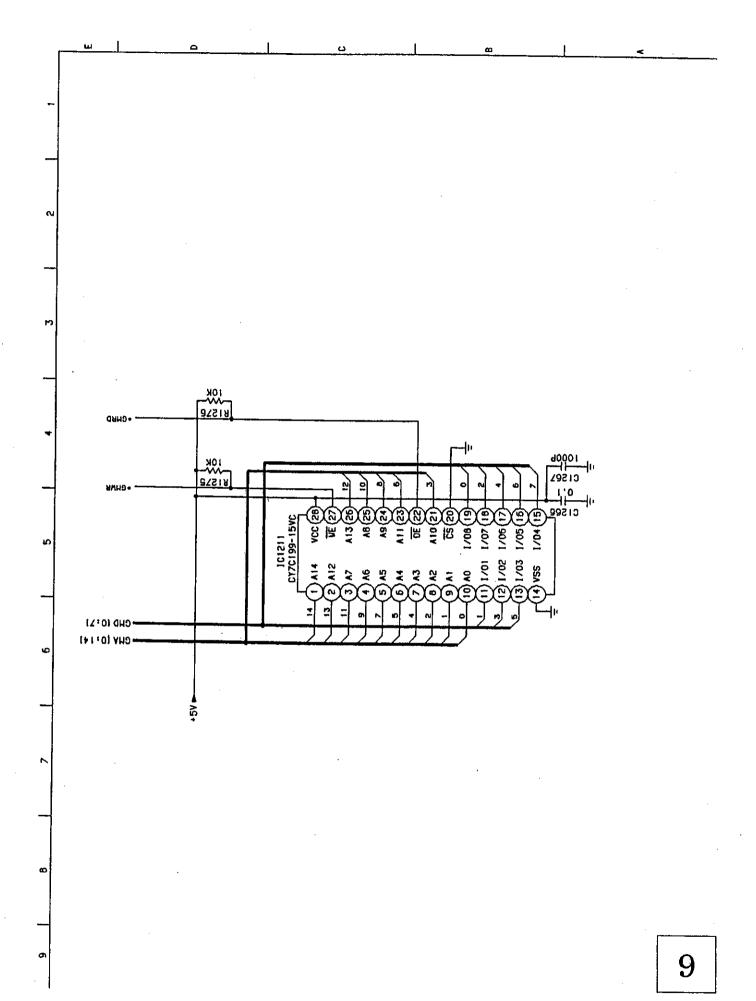


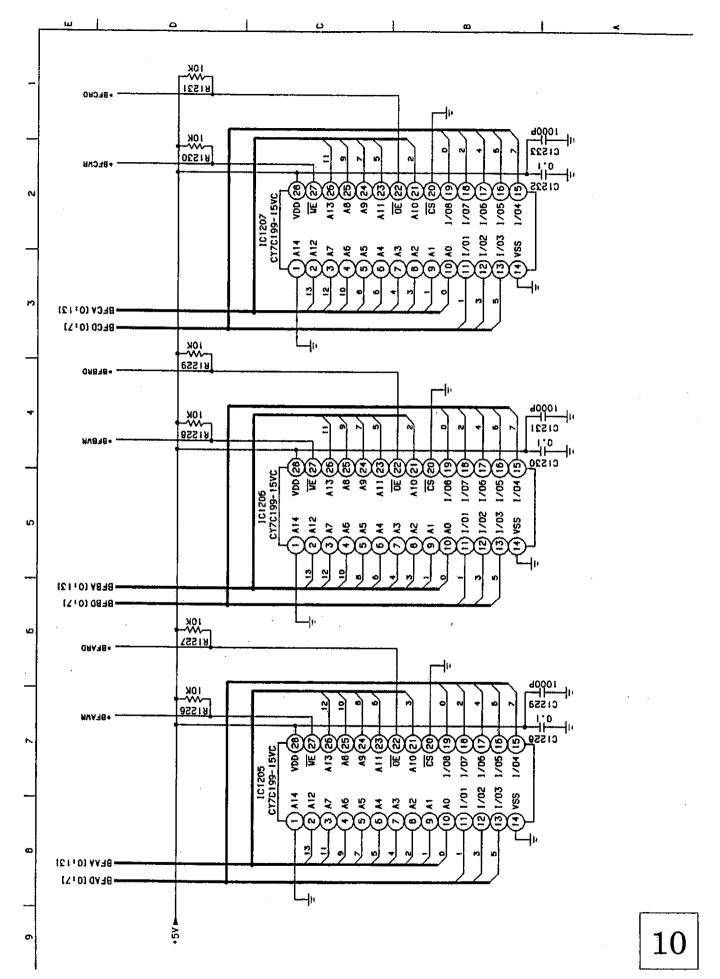


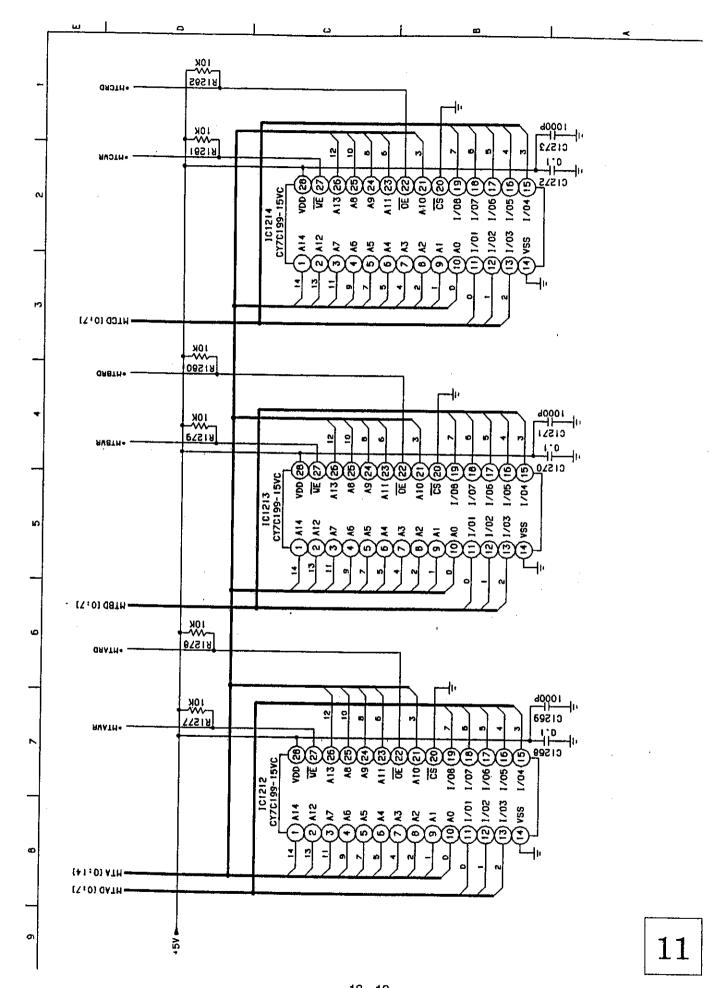


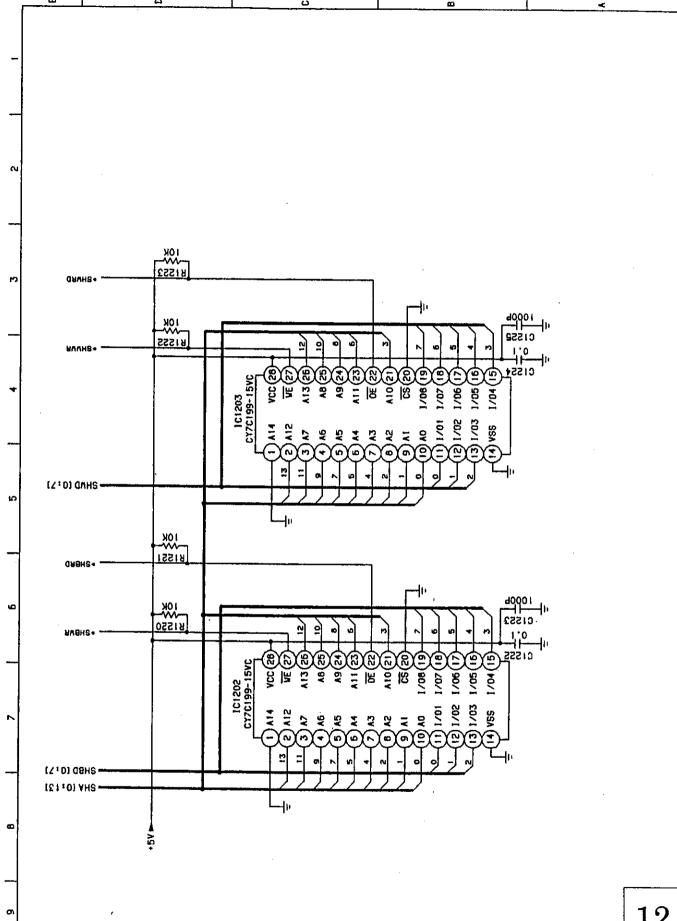
1210140d= (+1°01 VOd=





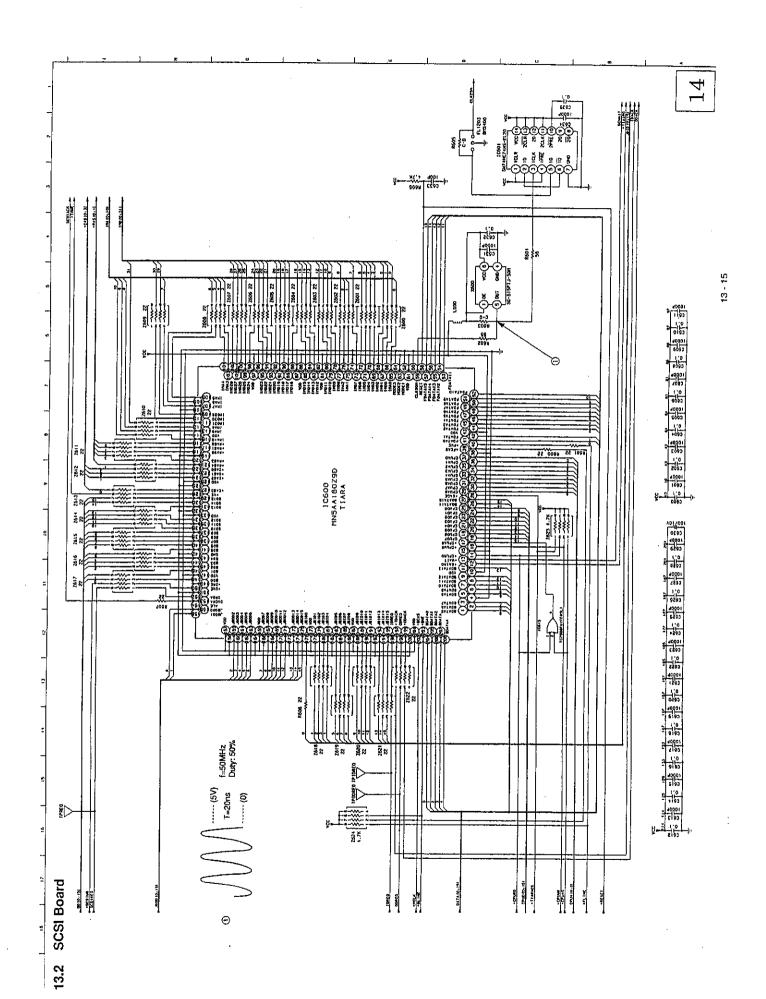


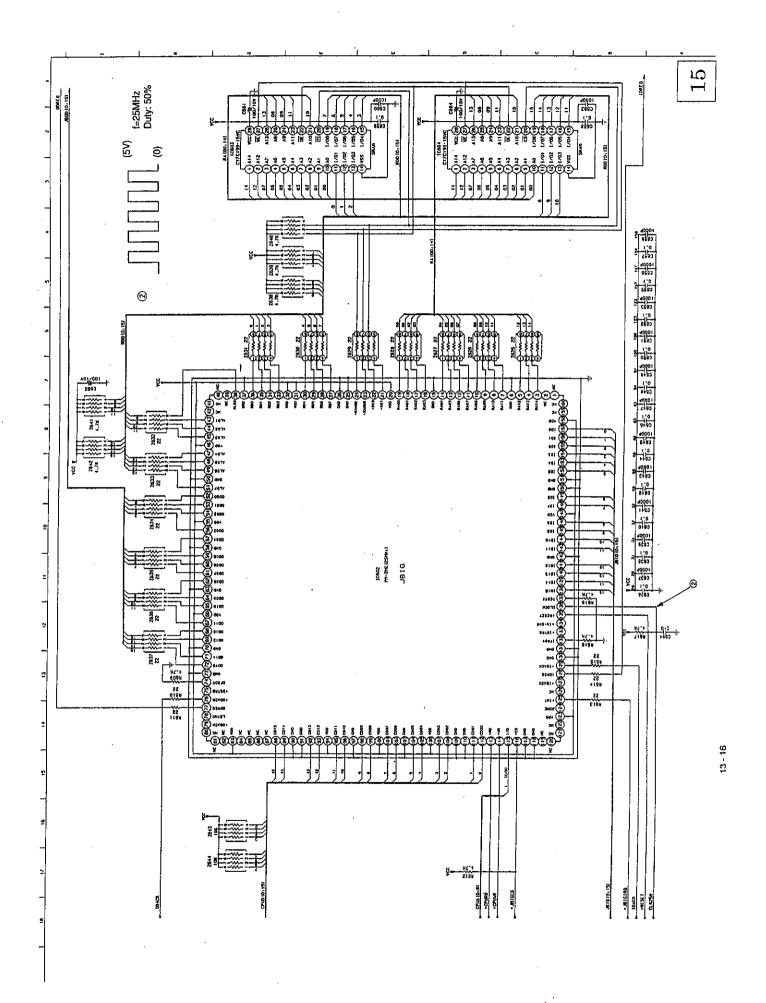


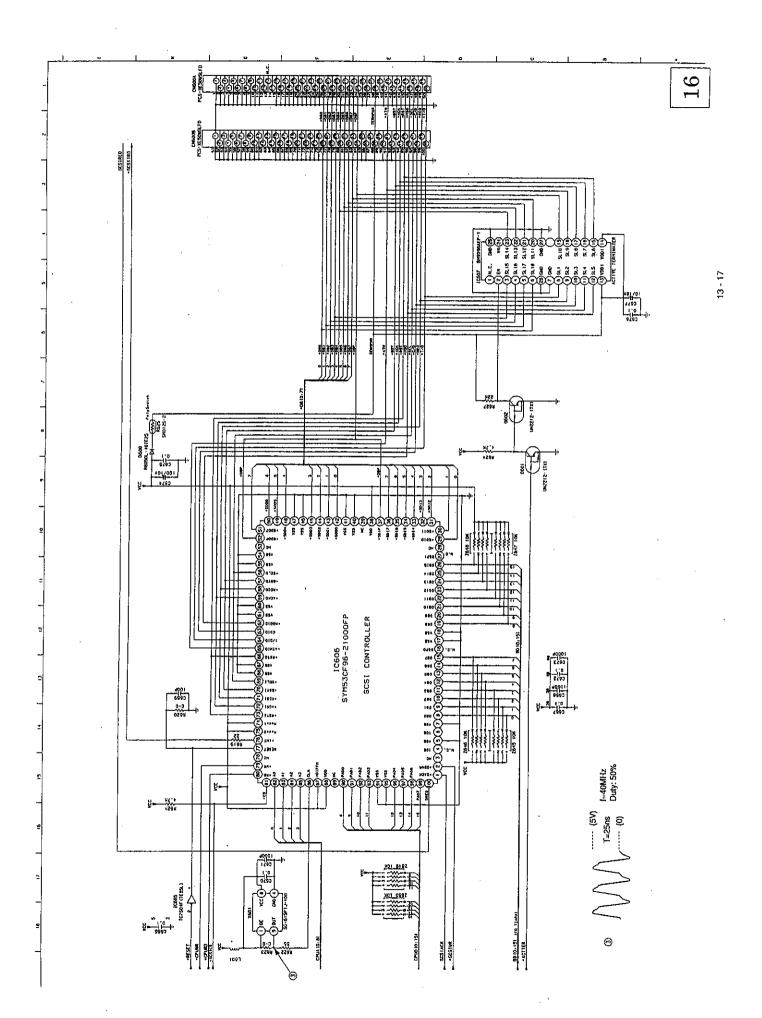


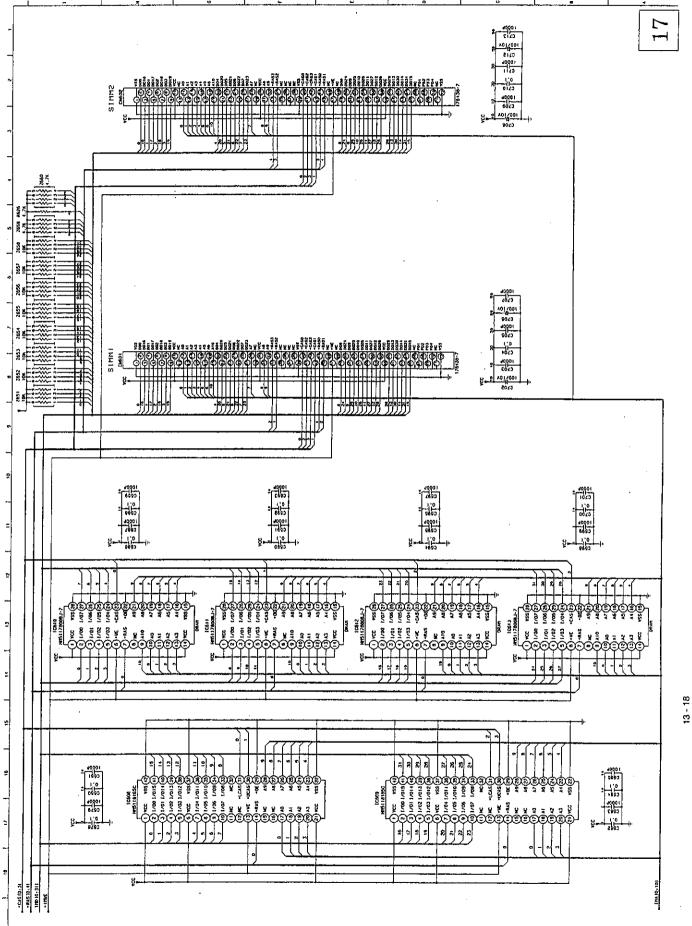
CPUD (0: 15) 1000 CI ISO 의 2 1.0 61113 101106 CY7C199-15VC (2) 1/02 1/06 13) 1/03 1/05(4000 I 0.1 8 S (13) 1/03 1/05(15) (14) vss 1/04(15) 1C1105 CY7C199-15VC 5) 45 6) A4 CPUA (0;23) • CPUWR ■ • CPURD ■ SRAMCS . ·LWR

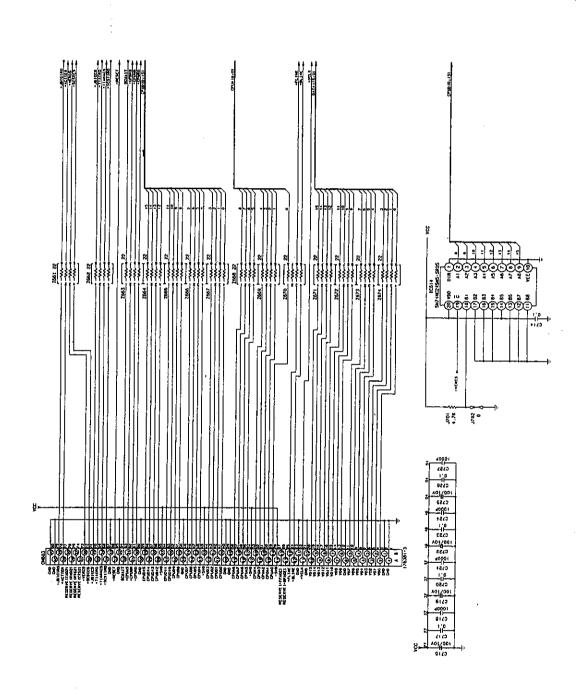
13

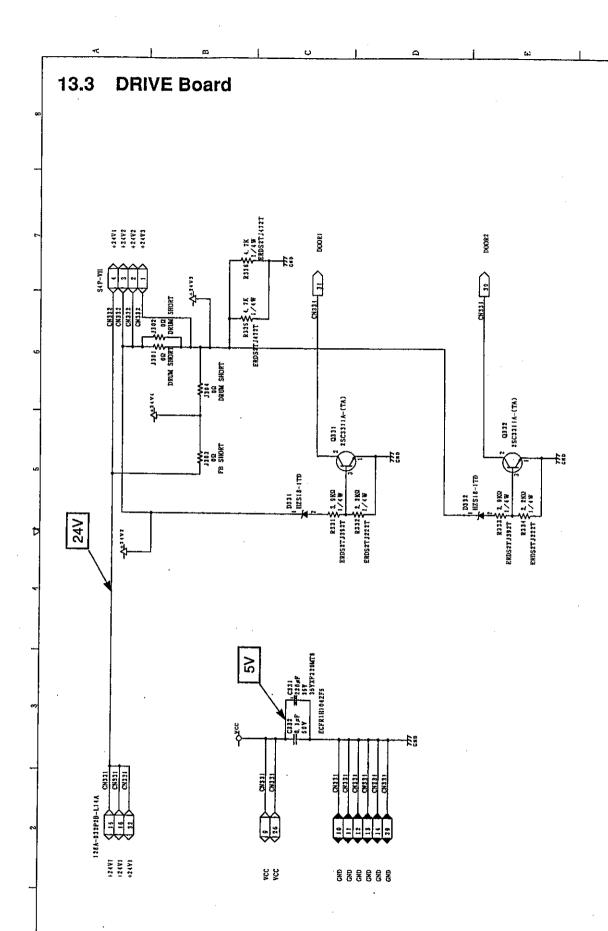


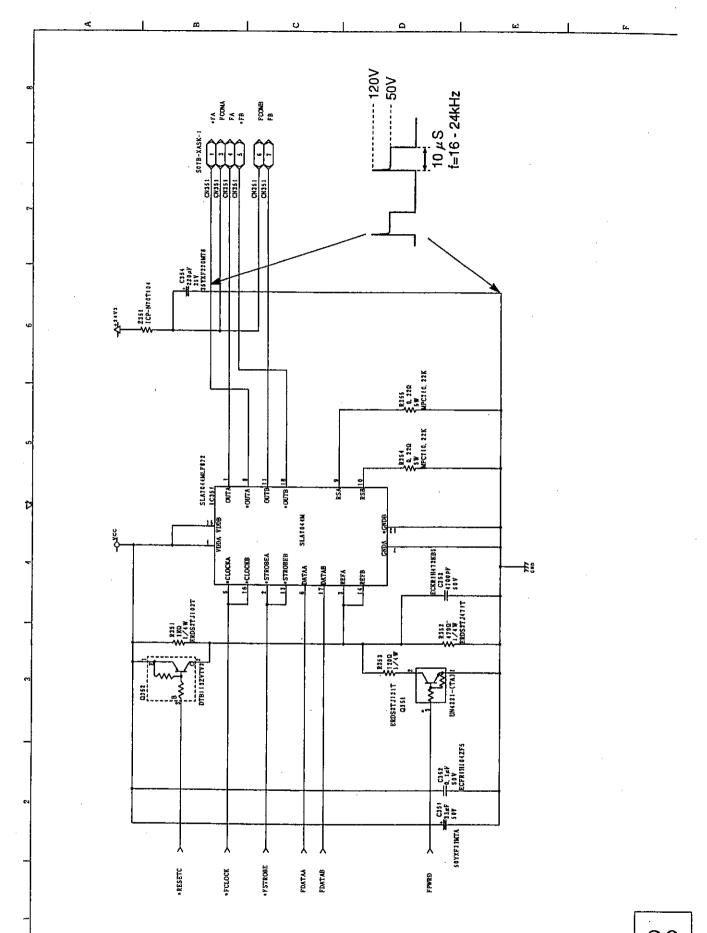


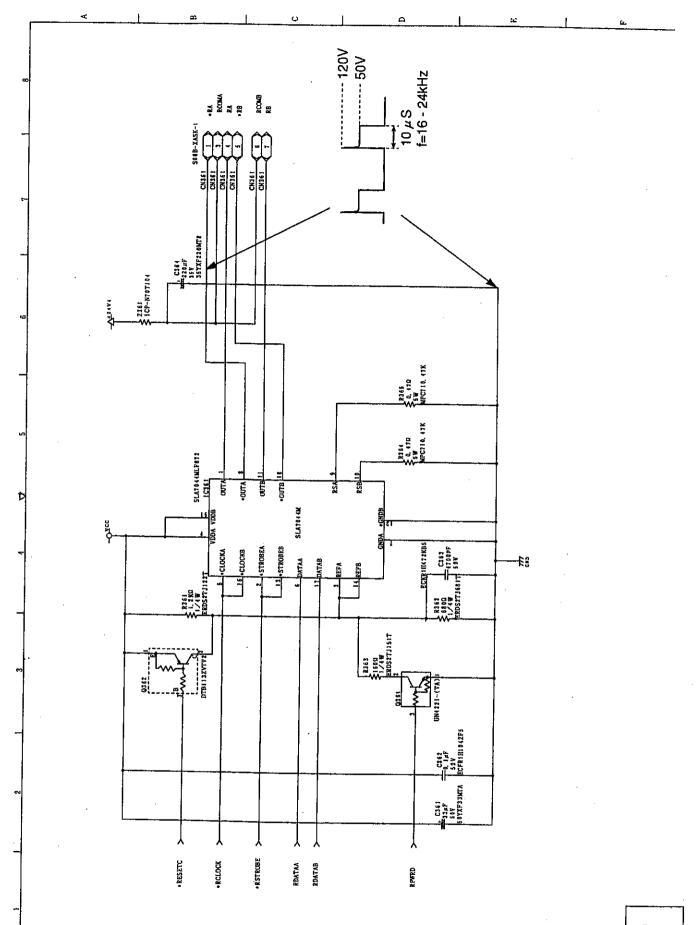


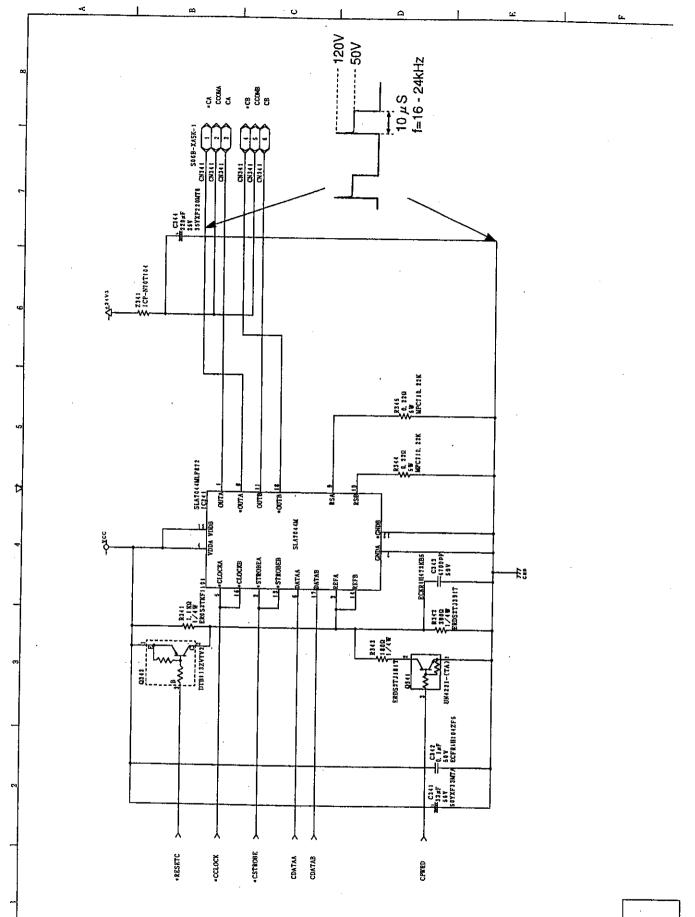


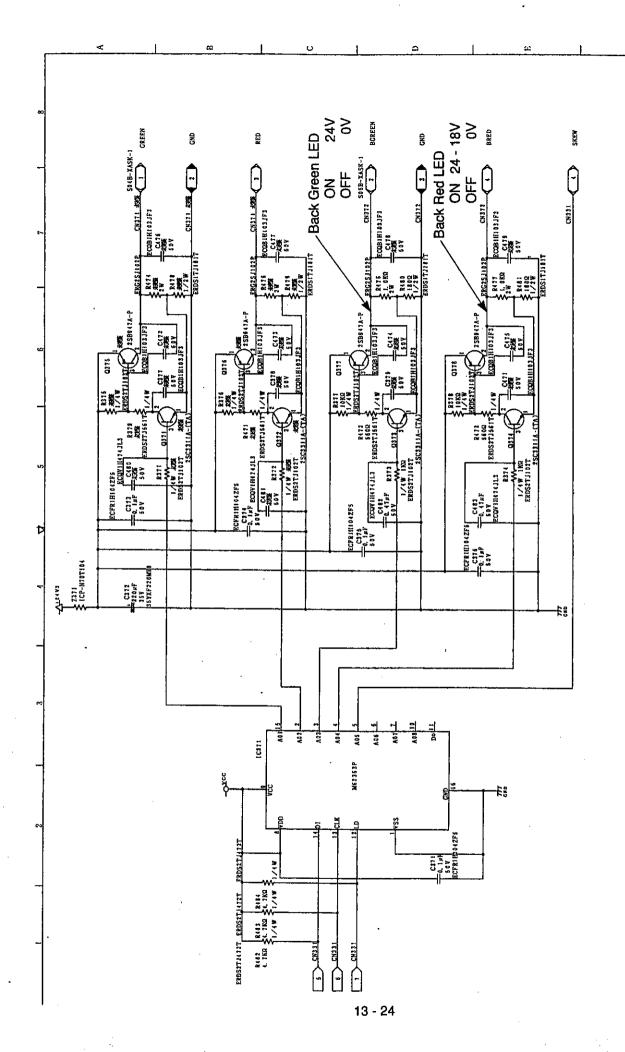


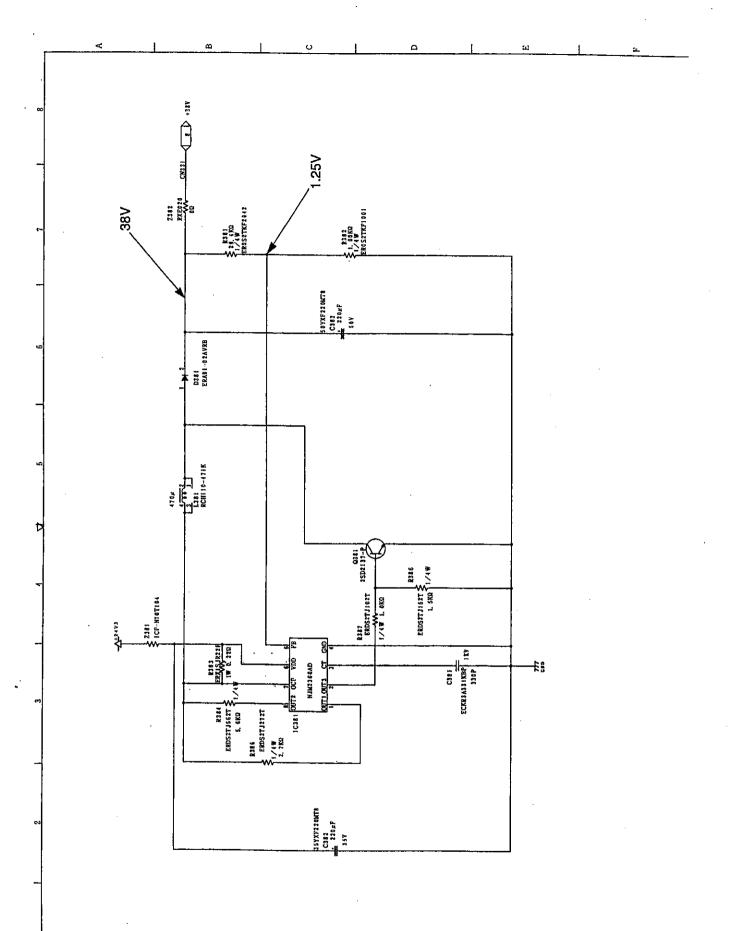


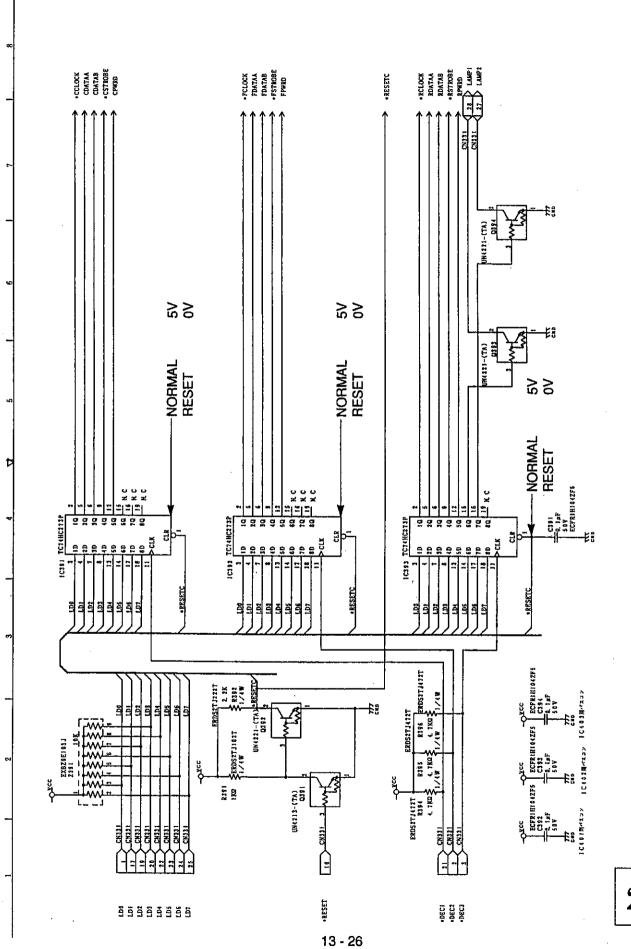


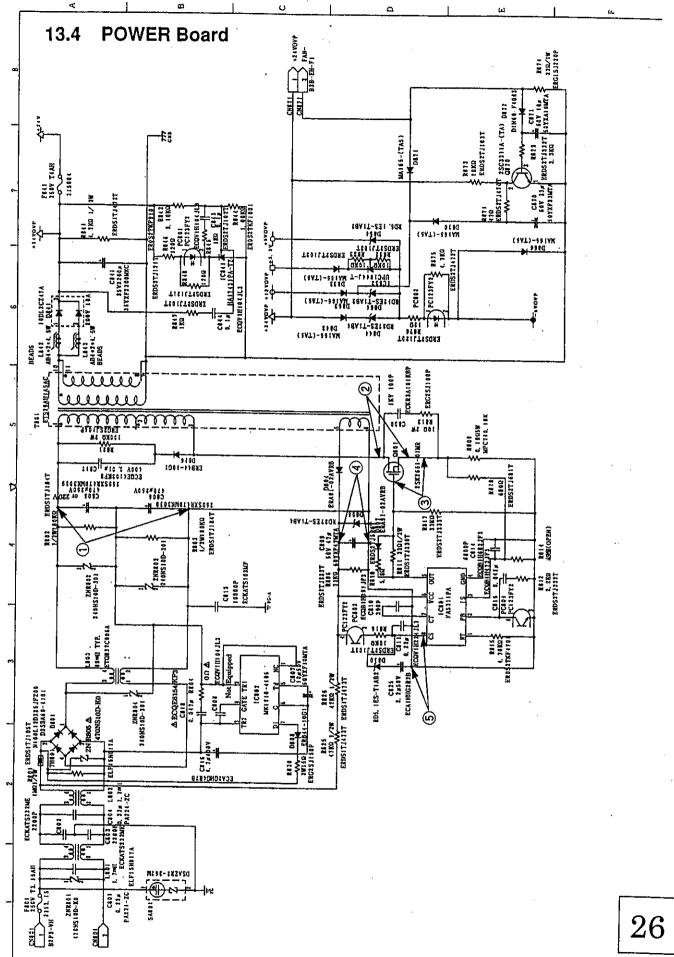






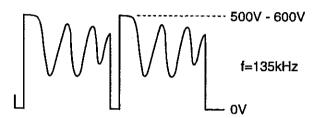






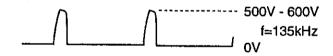
1	AC	120V:	320V	DC	(NO Load, Fan Only)
	AC	220V:	300V	DC	(NO Load, Fan Only)
	AC	230V:	310V	DC	(NO Load, Fan Only)
	AC	240V:	330V	DC	(NO Load, Fan Only)
	AC	100V:	270V	DC	(NO Load, Fan Only)

② Q801 D-S



(No Load, Fan Only)

③ Q801 G-S

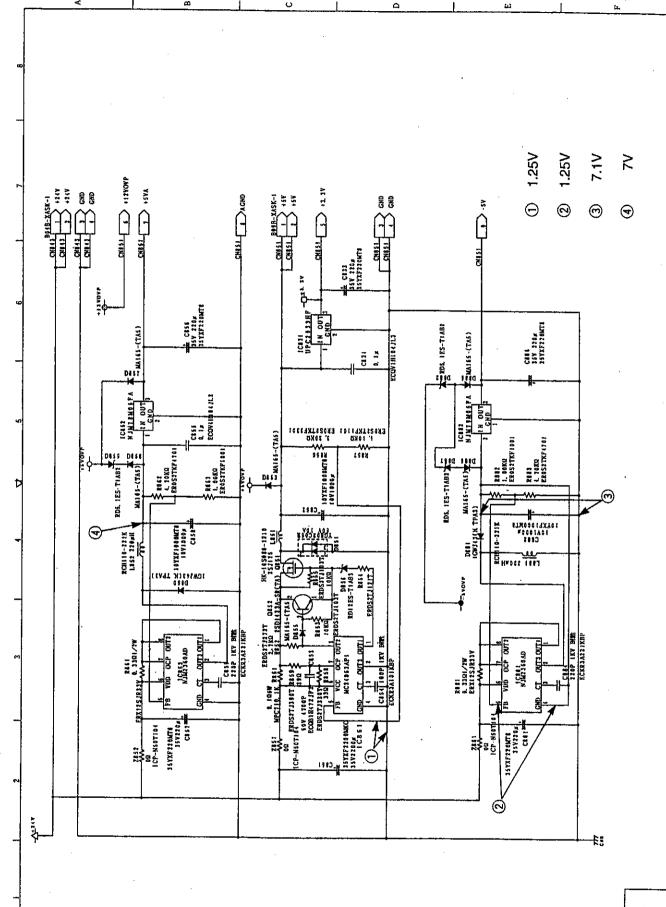


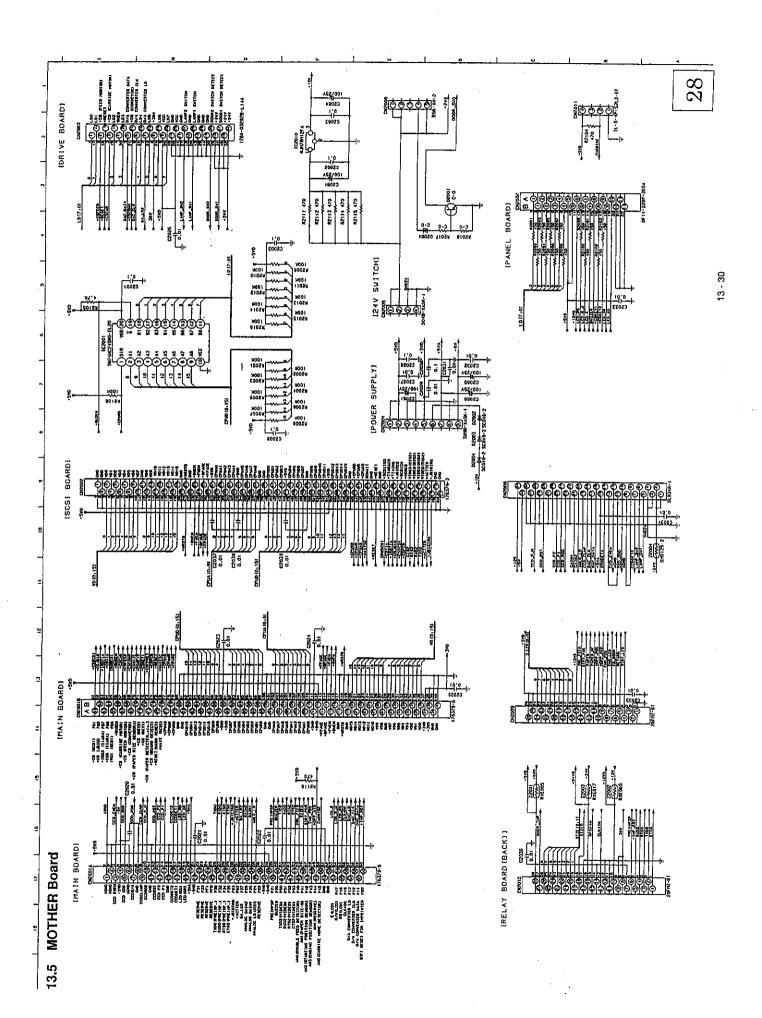
(No Load, Fan Only)

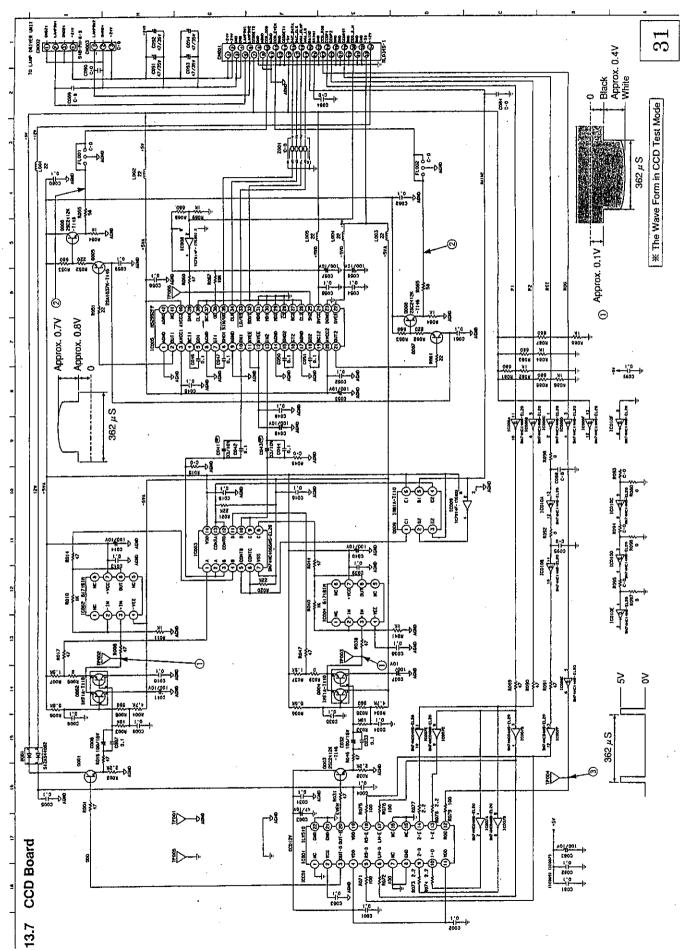
④ C809 DC 15 - 22V

5 Normal: 3.6V DC Over-voltage protector operation check Protection circuit functioning: 8V DC Fan protector operation check

Note: If the protection circuit is functioned, turn OFF the power switch. After 5 minutes or more, turn ON the power switch again for restart









SECTION 14 PARTS LOCATION AND MECHANICAL PARTS LIST

Important Safety Notice

Components identified by \triangle mark in the Remark column have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

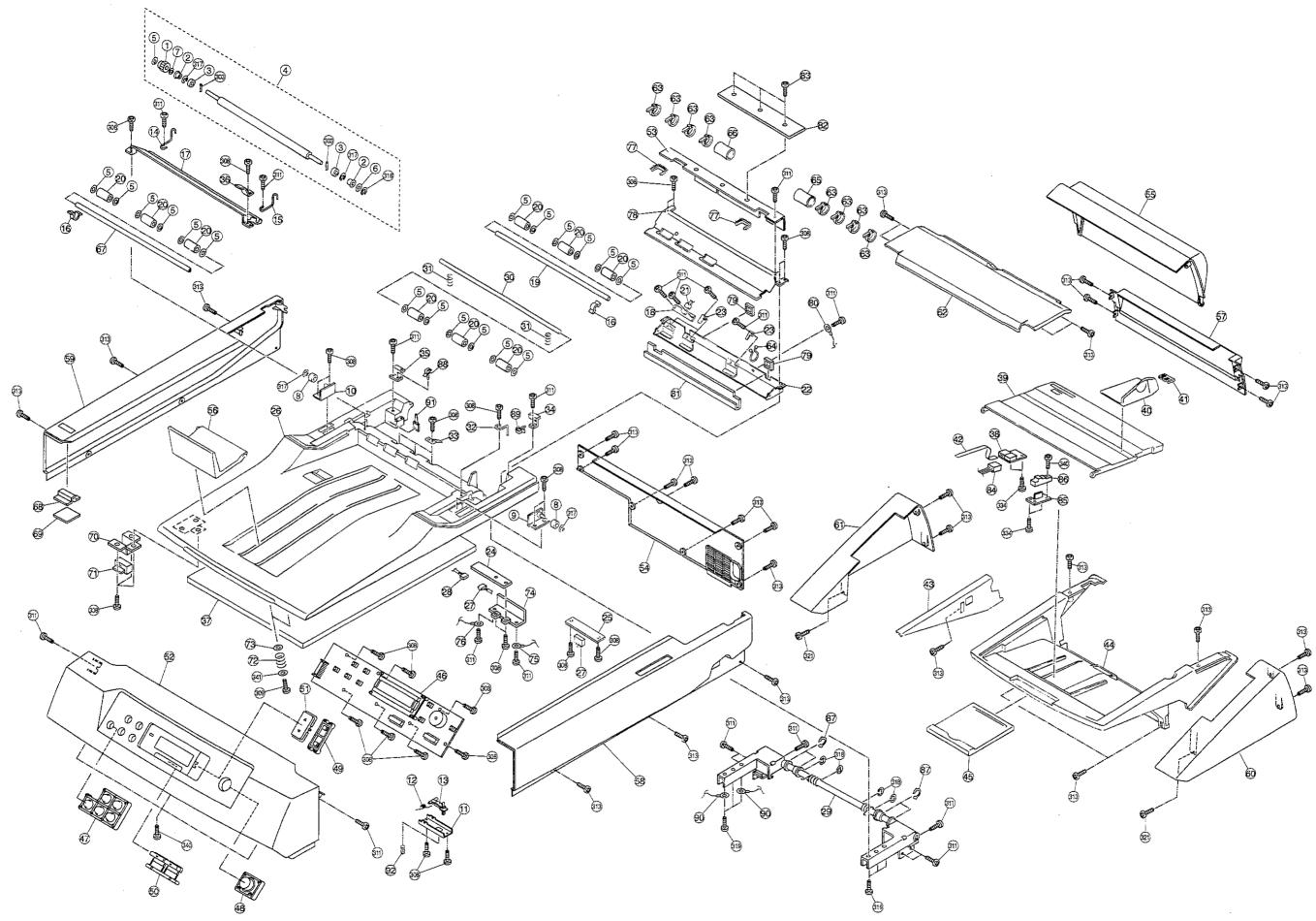
14.1	Exterior	14 – 2
14.2	Hopper Unit	14 - 4
14.3	Chassis	14 – 6
14.4	Power Unit	14 – 8
14.5	Packing	14 – 10

Note: RTL (Retention Time Limited)

The marking (RTL) in the Remark column indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

14.1 Exterior



REPLACEMENT MECHANICAL PARTS LIST (Exterior)

	LACEMIEN	I MECHANICAL I		<u>J L</u>	19 I (E)
Ref No.	Parts No.	Description	Code	Q'ty	Remark
1 2	PBDGA0061Z PBDJA0020Z	Gear for KV-S6045 series Spacer for KV-S6045	-	1 2	
		series		_	
3 4	PBDRA0073Z PBDRA0086Z-J	Roller for KV-S6045 series CIS Platen Roller		2	
5	PJNW4111Z	Spacer for KV-S6045		18	
		series	İ		
5	PJNW4111Z	Spacer for KV-S6040 series		1	
6	RWPS5-025	Spacer for KV-S6045 series		1	
7	RWPS5-100	Spacer for KV-S6045 series		1	
8 9	PBDEA0154Z PBMDX0501Z	Collar Inside Cover Lock Fitting		2	
10	PBMDX0502Z	Plate (R) Inside Cover Lock Fitting		1	
11	PBMDA0489Z	Plate (L) Actuator Fitting Plate		1	
12	PJDSA0052Z	Arm Spring		1	
13	PJHRA0247Y	Open Sensor Actuator		1	
14	PBDSA0118Z	Platen Roller Spring for KV-S6045 series		1	
15	PBDSA0119Z	Platen Roller Spring for KV-S6045 series		1	
16 17	PBHRA0181Z PBUEA0112Z	Spacer Conveyor 1 for KV-S6045		2	
		series			
18	PBAPX2876045	STARTING LED Board		1	(RTL)
19 20	PBDFA0129Z PBDRA0029Z	Free Roller Shaft Roller		1	
21	PBJEA0506Z	Cable (CN515-CN518)	l	9	
22	PBMDX0483Z	Free Roller Fitting Plate		1	
	PBUSA0044Z	Free Roller Spring		2	
24	PBAPX2916045	ENDING LED Board		1	(RTL)
25	PBAPX2976045	DOCUMENT COVER Board	:	1	(RTL)
26	PBHAA0037Z-J	Flat Bed Cover	İ	1	
27	PBJEA0507Z	Cable (CN526-CN527)		2	
28 29	PBJEA0508Z PBUEA0125Z	Cable (CN513-CN525) FB Cover Hinge		1	
30	PBDFA0131Z	Free Roller Shaft		1	
	PBDSA0114Z	Free Roller Spring		2	
	PBDSA0120Z	Stopper Spring		1	
33	PBUSA0045Z	Free Roller Spring 2		1	
34	PBMDA0553Z	Clamp Fitting Plate (R)		1	
35	PBMDA0554Z	Clamp Fitting Plate (L)		1	
36 37	PBMDA0550Z PBHEA0102Z-J	Plate		1	
38	PBAPX2956045	Flat Bed DOCUMENT DETECTOR		1	(RTL)
39	PBKZA0009Z-J	Board Hopper Plate		1	
40	PBKEA0104Z-J	Exit Guide		1	
41	PBHRA0199Z	Paper Guide Plate		1	
42	PBJEA0503Y	Cable (CN529-CN537)		1	
43	PBULA0150Z-J	Manuscript Side Plate		1	
44	PBKMA0060Z-J	Hopper Base		1	
45 46	PBKMA0049Z PBAPX2806045	Tray (Extend Hopper) PANEL Board	1	1	(RTL)
47	PBBCA0010Z	Hinge Button (A)		1	(nic)
48	PBBCA0011Z	Hinge Button (B)		1	
49	PBBCA0012Z	Hinge Button (C)		1	
50	PBBCA0013Z	Hinge Button (D)		1	
51 52	PBBCA0014Z PBKMA0055Z-J	Seesaw Button Front Cover for KV-S6045		1	
52	PBKMA0055Y-J	series Front Cover for KV-S6040		1	
53	PBHMA0163Z	series Cable Cover 1		1	
54	PBKFA0021Z-J	FB Rear Cover for KV- S6045 series		1	
54	PBKFA0021Z-J1	FB Rear Cover for KV- S6040 series		1	
55	PBKEA0103Z	Imprinter Door	İ	1	
56	PBKEA0105Z	Stopper Panel		1	
57 58	PBKFA0022Z PBKMA0056Z	ADF Rear Cover		1	
58 59	PBKMA0057Z	FB Rear Cover (R) FB Rear Cover (L)		1	
60	PBKMA0058Z-J	ADF Side Cover (R)		1	
61	PBKMA0059Z	ADF Side Cover (L)		1	
62	PBKMA0061Z-J	ADF Top Cover		1	

101)							
Ref No.	Parts No.	Code					
63	KI-100M	Clamper		2			
64	TMM6463	Clamper	ŀ	1 1	i		
65	PBMXA0048Z	Isolation Tube		1			
66	PBMXA0049Z	Isolation Tube		1			
67	PBDFA0130Z	Free Roller Shaft		1			
68	PBUEA0143Z	Plate		1			
69	PBHEA0164Z	Sheet	İ	1			
70	PBMDA0571Z	Plate		1			
71	SM-108S	Magnet		1 1			
72	PBDSA0138Z	Spring		1			
73	CC-0612-10	Spacer		1			
74	PBUEA0145Z	Plate		1 1			
	PBJEA0620Z	Earth Cable	!	1 1			
76	PBJEA0623Z	Earth Cable		1			
77	KG-010-L44	Bushing	}	2			
78	PBUEA0113Z	Conveyor		1 1			
79	EDS-17L	Edge Saddle	1	2			
80	PBJEA0612Z	Earth Cable		1			
81	PBMXA0042Z	Sheet		lil			
82	PBMXA0051Z	Sheet	ĺ	1			
83	NRP-335	Rivet		3			
84	PBJEA0624Z	Cable		1			
85	PBMDA0573Z	Plate		1			
86	GP2A25	Photo Interrupter		1 1			
87	PBUSA0054Z	Spring	i	4			
88	LWS-3S	Clamper		1			
89	LWS-1S	Edge Saddle		1			
90	CS-2	Earth Cable	1	2			
91	K-103G	Clamper	1	1			
92	SJ-5012	Rubber Foot	1	1			
93	PBUEA0126Z	Conveyor		1			
303	XPJ2C10VW	Pin		2			
308	XTW3+10PFX	Screw	İ	28			
309	XTW3+12PFX	Screw	ł	2			
311	XTW3+6LFX	Screw		21			
313	XTW3+8LFY	Screw		30			
316	XUC4FY	E-ring		1			
317	XUC5FY	E-ring		2			
318	XUC6FY	E-ring	1	4			
	XTV3+14GFX	Screw	1	6			
321	XSN3+6FX	Screw		2			
334	XTW3+8PFX	Screw		2			
	XTB3+6FFY	Screw	1	3			
341	XWG32F10FX	Washer		2			
	<u> </u>						

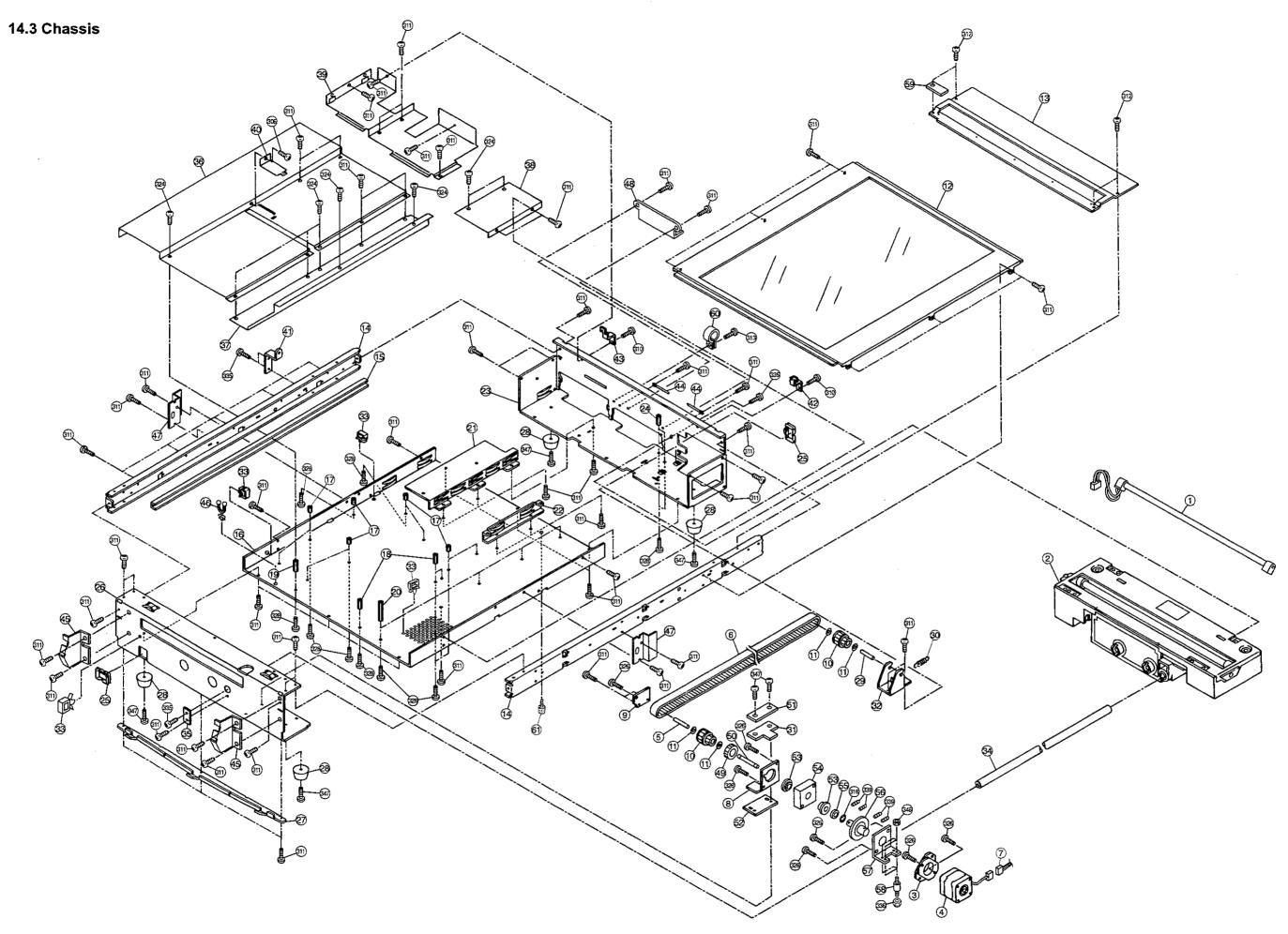
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14.2 Hopper Unit

REPLACEMENT MECHANICAL PARTS LIST (Hopper Unit)

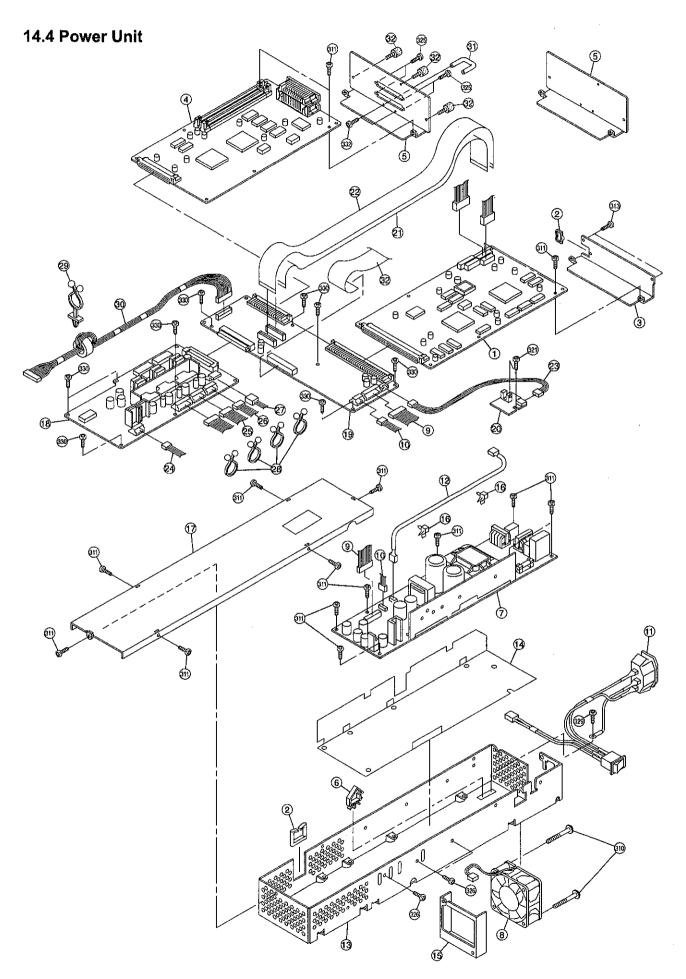
PBUSAU01212	KE	PLACEMEN	II MECHANICAL	PAR	SL	IST (Ho							
2	No.	Parts No.	.1	ISO Code	Q'ty	Remark			Parts No.	Description		Qʻty	Re
3 2874-K-71-05 FebBA0062				<u></u>			1	78	PBULA0137Y	Reinforcement Plate		1	_
BBDAA0080Z PBBDAA0080Z P							1 1						
S PBIESZAZ PBIDACONIZCA PBID				ļ			1 1		t .				1
6 PBUANDIZZ FROMADISC FROM	5						1 1						
7 PBDA000602 2 82 PBDSA001642 1 5 5 5 5 5 5 5 5 5	6	PBUAX0122Z		-			ΙÌ	٠.	, bolkottiz-s			'	
Seminose Pethologogo Pet		PBDSA0080Z					1 1	82	PBDSA0114Z		1	4	
10 P8MDA0457Z Plate for KV-S045 Series 1 85 P8HRA0187Z Spacer 2 2 2 2 2 2 2 2 2					1		1]		
11 PBMDA048Z PBMDA048Z PBMDA048Z PBMDA048Z PBMDA048Z PBMDA04Z			CIS for KV-S6045 Series				1				}		
12 DOL-690ZPL							1 1				İ		
13 BDBA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 1 PBBCA00742 PBB					1 1								
1			3				1 1				!		
Space		PBDEX0133Z	Tension Plate	1			1 1				-		
17 PBAPYZ2896045 SIZE LED Board 1 (FITL) 32 V0009 Cable (Relay(n)) 1 1 1 PBUBA0018Z Gast 7 3 4 TMM8463 3				í	2		1 1	90			Í		
18 PBUBA0102Z PBUBA0012Z PBUBA00012Z PBUBA00001Z PBUBA00001Z PBUBA00001Z PBUBA00001Z PBUBA00001Z PBUBA0001Z PBUBA00001Z											-		
PBDGA0018Z						(RTL)			I .				
PBIDGA00712 PBIDGA00712 Pitch Roller 1 9.5 PBIDGA00727 PBI]
Page Page			1				1				1		l
Page	21	PBUEX0114Z	Paper Feed Planetary				1 1						
PRILEMONISTED PRILEMONISTE							li				ì		
PBDGA0038Z Gear 2 100 PBULA0147Z 100 Stopper 2 2 100 PBULA0147Z 100 PBULA0147Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA007Z 100 PBURA008Z 100 PBURA00							1 1						
PBDGA0082Z PBDRA0076Z PBD							l L					2	
PEDRAGO76Z													1
PRUEXO116Z Conveyor Planetary Plate 1	26		Roller										
PBUEAD110Z			Conveyor Planetary Plate				·	103		Spacer			i
30 AVM38153										Conveyor Belt			
31 PBMDA0498Z Fitting Pitate 2 1 107 PBDSA109Z Hopper Spring 1 1 108 PBDSA109Z Hopper Spring 1 1 109 PBMDA0500Z Hopper Cam Shaft 1 1 109 PBMDA0500Z Hopper Cam Shaft 1 1 1 1 1 1 1 1 1												l .	ĺ
Seminon Semi					1 1						!		
PRIMDA0549Z Filting Plate 1 1 1 1 1 1 1 1 1													
FBDSA01952 FBD			Fitting Plate							Hopper Pressure Plate			
PBHRA0150Z4 Felt									PBDFA0127Z	Hopper Cam Shaft			1
PRIVINO PRIV													
Section Spring 2 114 PBDPA0094Z 2 115 PBDPA0094Z 2 116 PBDPA0094Z 2 116 PBDPA0094Z 3 3 2 2 116 PBDPA0094Z 3 3 3 3 3 3 3 3 3													1
PBHDA00012 Screw				1			1 1						
40 RWPS4-050 Spacer 1 1 116 PBDGA0058Z Drive Roller 2 2 41 RWPS4-050 Spacer 1 117 PBDRA0085Z Drive Roller 2 2 2 42 RWPS4-050 Drive Roller 2 2 2 43 PBAPX2928045 RELAY(SIDE) Board 1 (RTL) 119 PBDSA0112Z Retard Spring 1 1 120 PBJEA0498Z Cable (CN514-CN517) 2 Cable (CN514-CN517			Screw		2								
NF-058E				[PBDGA0058Z				
43 PBAPX2836045 RETARD POSITION Board 1 (RTL) 119 PBDSA01112Z PBLEAV(SIDE) Baard 1 (RTL) 120 PBDSA0112Z PBLEAV(SIDE) Baard 1 (RTL) 120 PBDSA01112Z PBDSA01112Z PBDSA0032Y 1 121 PBDSA0033Y 1 121 PBDSA0033Y 1 122 PBJEA0500Z Cable (CNS10-CNS24) 2 2 2 2 2 2 2 2 2					1								
44 PBAPX2926045 RELAY(SIDE) Board 1 RTL) 120 PBJEA0498Y Cable (CS 8P) for KV- 1 1 1 1 1 1 1 1 1				1		(RTI)				1			
45 PBDGA0030Z dear 1	44			İ									
PBDSA0111Z	1			1		, ,						•	
48 PBDSA0111Z Paper Feed Spring 1 122 PBJEA050Z Cable (CN512-CN532) 2 2 2 49 PBUSA0046Z PBUSA004				İ									
49 PBUSA0046Z Retard Change Spring 1 1 1 1 1 1 2 PBUEA0502Z Cable (CN530-CN531) 2 2 2 2 2 3 3 3 3 3													ĺ
50 RWPS-025 Spacer 7 3 125 PBJEA0504Z Cable (CN511-CN520) 2 2 51 RWPS-100 Spacer 3 3 125 PBJEA0504Z Cable (CN519-CN535) 2 2 52 51 RWPS-100 Spacer 3 3 127 PBJEA0502Z Cable (CN519-CN535) 2 2 2 2 2 2 2 2 2			Retard Change Spring	i									
Signature Spacer Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Signature Spacer Spacer Spacer Spacer Spacer Spacer Spacer Spacer Spacer S		RWPS5-025											ĺ
S2 FFLAWBC612ZZ Ball Bearing 14 127 PBJEA0522Z Cable (APF Switch) 1 1 1 1 1 1 1 1 1							1	126		Cable (CN519-CN535)			
PBDRA0081Z		FFLAWBC612ZZ		1									
Solution Solution													
Second Page Filtring Plate Filtrin							l 1 '	129	PDJEAU524Z		-	1	
1	56			ļ			1	130	PBMDX048571			4	
Feed Unit Fitting Plate 1 134 PBDRA0083Z Retard Roller 1 1 1 1 1 1 1 1 1				İ			1	132					į
PBDFA0136Z PBUILS00Z Plate PBUILS00Z Plate PBUILS00Z Plate PBUILS00Z PBU											l	1	
PBUL30Z											ļ		
PBUAX0123Z				1							[
PBUSA0047Z PBUAX0124Z PBUAX0124Z PBUAX0124Z PBUAX0124Z PBUAX0124Z PBUAX0124Z PBUAX0124Z PBUAX0137Y PBULX0137Y PBULX0137Y PBUAX0137Y PBUAX0137Y PBUAX0137Y PBUAX0137Y PBUAX0137Y PBUAX0137Y PBUAX0137Y PBUAX0137Y PBUAX0129Z PBUAX0137Y PBUAX0129Z PBUAX0137Z PBUAX0129Z PBUAX0137Z PBUAX0129Z PBUAX0137Z PBUAX0129Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0137Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0149Z PBUAX0147Z PBUAX0147Z PBUAX0149Z PBUAX0147Z PBU												- 1	
PBUAX0124Z PBAPX2886045 PBULX0137Y PBULX0137Y PBDRA0029Z P							1	38					
RTL PBAPX2846045						1					i		
Conveyor Spring Conveyor Motor Con				1		(RTL)					İ		i
67 EDS-0607M PBAPX2856045	00	, BOCKO13/1		1	7		'	41	PBAPX2846045		[1	(RTL
PBAPX2856045 DOUBLE FEED DETECTOR (G) Board PBAPX2936045	67	EDS-0607M			2		1 1	42	PBAPX2866045	STARTING POSITION	f	4	(DT)
DETECTOR (G) Board 1	68	PBAPX2856045	DOUBLE FEED			(RTL)	'		7 2711 712000040			'	(ITIL
Filing Plate 3 Filing Plate 4 Filing Plat				1	ļ	`	1	43		ENDING SENSOR Board		1	(RTL
PBDFA0129Z				-		i				HOPPER POSITION Board	i	1	(RTL
72 PBAPX2996045 RELAY (REAR) Board 1 (RTL) 147 PBMDA0548Z Sensor Plate 2 1 1 148 PBULA0141Z Reinforcement Plate 2 1 1 149 PBJEA0510Y Cable (CiS 10) for KV-S6045 Series 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1							į		
73 PBULX0137Z Reinforcement Plate						₍₂₇₁₎							
Upper 1						(-112)							
74 PBULA0149Z Imprinter Fitting Plate 1 S6045 Series Sensor Plate 1 150 PBJEA0517Z Cable (Conveyor Motor) 1 PBJEA0150Z Protection Sheet 1 151 PBJEA0529Z Cable (CIS LED) for KV- 1 1 1 1 1 1 1 1 1	[Upper) 1			ĺ		- 1					
76 PBHEA0150Z Protection Sheet 1 151 PBJEA0529Z Cable (CIS LED) for KV- 1								_		S6045 Series	1		
TO IDEADOZZZ CADIE (CIS LED) IOI KV-										Cable (Conveyor Motor)			
Sou45 Series				-		-] 1	21	FBJEA0529Z			1	
	,		(,		<u> </u>		L_			COUTO OCITCO			

Ref No.	Parts No.	Description	ISO Code	Q'ty	Remark
152		Plate		2	
153	LWS-1S	Edge Saddle		5	
154	ASB-310	Spacer		2	
155	80S2M318GB	Flat Belt	į	1	
156	PBMDA0574Z	Plate	į	1	
157	PBUEA0106Z	Plate	İ	1	
158	CE012-L100	Edging	F		
159	CE012-L70	Edging	Ī	1 1	
160	CC-0613-15	Spacer		3	
161	PBMEA0059Z	Plate		2	
	F-FLAW678AZZ	Ball Bearing		1 1	
	CC-0816-15	Spacer		2	
164	RWPS6-050	Spacer		3	
	FGC-8	Clamper		1 1	
166	LWS-3S	Clamper		3	
167	PBMDA0570Z	Plate	1	1	
168		Spacer		1 1	
	KG-032-L56	Bushing	1	1	
	UAMS-05SN-W	Bushing		3	
	ASB-315	Spacer	}	1	
	PBHEA0155Z	Sheet			
173	CS-2	Clip	1	2	
	TMM764301	Clamper		1	
	PBJEA0613Z	Cable]	2	
	RWPS4-013	Spacer		1	
177	PBUEA0130Z	Conveyor	1		
	XPJ2C12VW	Pin	İ	3	
	XPJ2C10VW	PinP	į	8	
	XPL2B12WVW	Pin		2	
	XTB3+6FFX	Screw		4	
	XTW3+10PFX	Screw	i	4	
- 1	XTW3+6LFX	Screw	-	76	
	XTW3+8LFX	Screw		1	
	XUC3FY	E-ring	ŀ	15	
	XUC4FY	E-ring	İ		
317	XUC5FY	E-ring	-	18 43	
	XUC6FY	E-ring	1		
	XWG6	Washer		4	
	XYN2+J6FX	Screw	1	2	
,	XYN23+J10FX	Screw	1	2	
	XYN26+J6FX	Screw	1 :		
331	XYN4+J10FXS	Screw	1	4 4	
	XXE3F6FP	Screw	i		
336	XNA3FX	Nut		2	
338	XNG4BS			1	
		Nut		1	
	XYN4+F12FY	Screw		2	
	XSS5+8FX	Screw		1	
344	XYN3+J6FX	Screw		2	



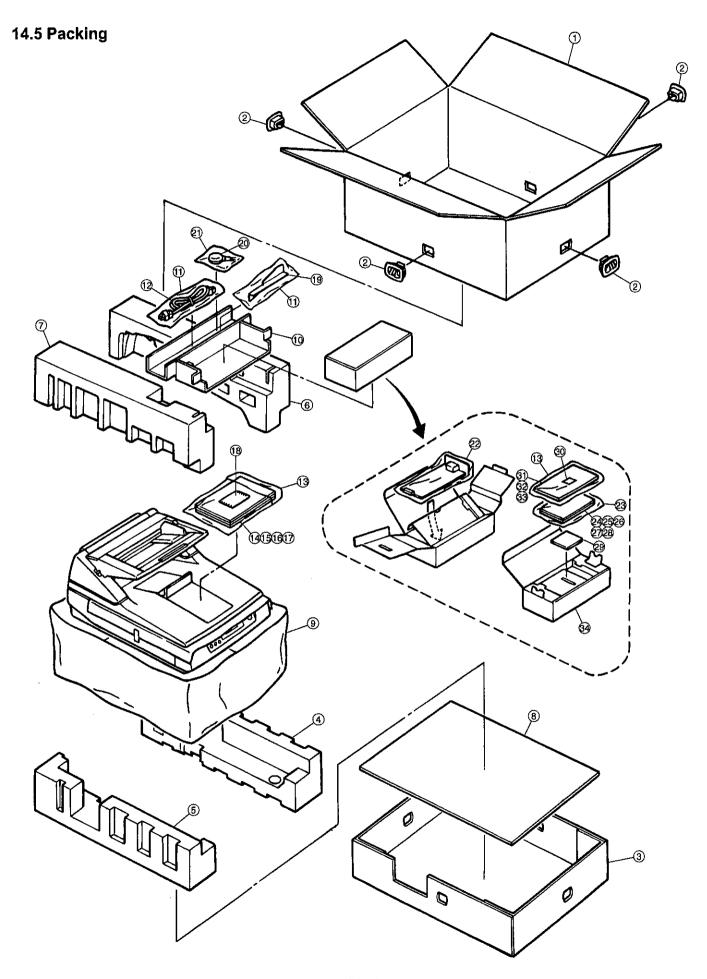
REPLACEMENT MECHANICAL PARTS LIST (Chassis)

Ref No.	Part No.	Description	ISO Code	Q'ty	Remark
1	CFX12AYG/36H	Lamp Holder		1	
2	PBHAA0036Z-J	Carriage Unit		1	
3	MSP31-X60	Carriage Motor Mount	ĺ	1	
4	103H549-0441	Carriage Motor		1	
5	PBDFA0113Z	Timing Pulley Shaft		1 1	
6	100S2M1224GB	Timing Belt		1 1	
7	PBJEA0521Z	Cable (CN361-Carriage Motor)		1	
8	PBMDA0476Z	Fitting Plate		1	
9	PBMDA0498Z	Timing Pulley Fitting Plate		1	
10	PBUDA0034Z	Timinng Pulley		2	
11	RWPS6-050	Spacer		4	
12	PBHEA0092Z-J	FB Glass Base Assembly		1	
13	PBHEA0093Z-J	ADF Glass Base Assembly		1	İ
14	PBUAA0119Z	Side Frame		2	
15	PBUEA0105Z	Carriage Guide Rail		1	
16	PBUAA0120Z	Bottom Frame		1	
17	ASB-310	Spacer	İ	9	
18	ASB-318	Spacer		3	
19	ASB-322	Spacer		1	
20	ASB-340	Spacer		4	
21	PBUEA0107Z	PCB Gulde Rail (A)		1	
22	PBUEA0108Z	PCB Guide Rall (B)	1	i	
23	PBUAA0118Z	Rear Frame		1	
24	ASB-317	Spacer		2	
25	EDS-1717U	Edge Saddle		2	
26	PBUAA0117Z	Front Frame]	1	
27	PBMDA0497Z	Front Cover Fitting Plate		1 1	
28	C-30-RK-29	Rubber Foot	l	4	
29	PBDFA0114Z	Tension Pulley Shaft		1 1	
30	PBDSA0105Z	Tension Spring	İ	1	
31	PBHGA0055Z	Rubber		1 1	
32	PBMDA0477Z	CIS Fitting Plate (L)		1	
33	LWS-1S	Edge Saddle		3	
34	PBDFA0112Z	Carriage Shaft		1 1	
35	PBMDA0478Z	CIS Fitting Plate (R)		1 1	
36	PBMCA0093Z	Shield Cover (A)		1	
37	PBMCA0094Z	Shield Cover (B)	1	1	
38	PBMCA0095Z	Shield Cover (C)	1	1 1	
39	PBMCA0098Z	Shield Cover (D)	i	1 1	
40	PBHMA0157Z	Plate		1	
41	PBUEA0118Z	Inside Cover Holding Plate		1	•
42	PBHMA0166Z	Stopper Spring (R)		1 1	
43	PBHMA0167Z	Stopper Spring (L)		1	
44	CS-2	Clip		2	
45	PBUEA0147Z	Plate		1	
46	NF-1862-V0	Clamper		1	
47	PBUEA0146Z	Plate	1	1 1	
48	PBMDA0561Z	Plate		1	
49	PBDGA0083Z	Gear	1	1	
50	PBDFA0175Z	Shaft		1	
51	PBMDA0577Z	Plate		1	
52	PBHGA0067Z	Rubber		1 1	
53	FFLAWBC510ZZ	Ball Bearing		2	
54	PBMEA0058Z	Shaft Holder		1	
55	RWPS5-050	Spacer		1	1
56	DCM-4236A35	Damper Coupling	1	1	
57	PBMDA0576Z	Plate	1	1	
58	R\$7016	Mount	i	1	
59	PBHEA0160Z	Sheet		1	
60	AL5	Clamper		1 1	
306	XTN4+6FFX	Screw		1	
310	XTS3+8FFX	Screw		2	
311	XTW3+6LFX	Screw		61	
312	XTW3+6LFZ	Screw		4	
313	XTW3+8LFY	Screw	1	6	
316	XUC4FY	E-ring		1	1
324	XYN3+B6FX	Screw	1	8	
326	XYN3+F6FX	Screw		5	1
328	XYN3+C6FX	Screw	1	19	
335	XYN4+F8FX	Screw	1	2	
336	XNA3FX	Nut	1	1	
339	XXE3F3FPS	Screw		2	1
346	XNG3BFX	Nut	1	l ī	
		Screw	1	4	I .



REPLACEMENT MECHANICAL PARTS LIST (Power Unit)

Ref No.	Part No.	Description	ISO Code	Q'ty	Remark
1	PBAPX257255B	MAIN CONTROL Board	-	1	(RTL)
2	EDS-1208U	Edge Saddle	•	2] ` '
3	PBMDA0481Z	Fitting Plate		1	
4	PBAPX258255A	SCSI Board		1	(RTL)
5	PBMDA0499Z-J	SCSI Board Fitting Plate	1	1	[,
5	PBUEA0144Z	SCSI Board Fitting Plate		1	
6	LWS1SV0BK	Edge Saddle		1	
7	PBAPX3276045	POWER Board		1	(RTL)
8	PBJEA0090Z	Fan		1	[()
9	PBJEA0525Z	Cable (+5V)		2	
10	PBJEA0526Z	Cable (+24V)		2	
11	PBJEA0528Y	Cable (AC Inlet)		1	
12	PBJEA0611Z	Cable (DC Fan Relay)		1	
13	PBMDA0482Z	Bracket		1	
14	PBMXA0040Z	POWER Board Sheet		1	
15	PBUVA0027Z	Fan Cover		1	
16	YMC10-0	Clamp		2	
17	PBMCA0092Z-J	Shield Cover		1	
18	PBAPX2606045	DRIVE Board		1	(RTL)
19	PBAPX2796045	MOTHER Board		1	(RTL)
20	PBAPX2816045	CARRIAGE HOME SENSOR Board		1	(RTL)
21	PBJEA0511Y-J	Cable (CN501-CN2010)		1	(*****)
22	PBJEA0512Y-J	Cable (CN504-CN2009)		i	
23	PBJEA0514Z	Cable (CN516-CN2011)		i	
24	PBJEA0516Z	Cable (CN327-CIS)		i	
25	PBJEA0518Z	Cable (CN351)		1	
26	PBJEA0519Z	Cable (CN341)		1	
27	PBJEA0520Z	Cable (CN332)		1	
28	TMM6463	Clamper		4	
29	NF-1862-V0	Clamper		1	
30	PBJEA0515Z	Cable (CN536-CN2007)		1	
31	A-46-5	Handle		1	
32	PBHDA0006Y	Cable (CCD Flexible)		1	
310	XTW3+30LFX	Screw		2	
311	XTW3+6LFX	Screw		15	
313	XTW3+8LFY	Screw		3	
321	XSN3+6FX	Screw		2	
325	XSN25+4FX	Screw		4	
326	XYN3+F6FX	Screw		3	
329	XYN4+C6FX	Screw		1	
330	XYN3+B6FX	Screw		9	
332	XSB26+4FX	Screw		2	



REPLACEMENT MECHANICAL PARTS LIST (Packing)

Ref No.	Part No.	Description	ISO Code	Qʻty	Remark
1	PBPGA0338Z	Outer Carton for KV-S6045W	<u> </u>	1	
1	PBPGA0341Z	Outer Carton for KV-S6040W		1	
2	HP-601W2	Joint		4	
3	PBPGA0339Z	Carton		1	
4	PBPQA0110Z	Cushion	1	1	
5	PBPQA0111Z	Cushion	İ	1	
6	PBPQA0113Z	Cushion (R)		i	
7	PBPQA0114Z	Cushlon (L)		· i	
8	PAPNA0244Z	Bottom Pad		i	
9	PBPPA0025Z	Cover	.	i	
10	PBPNA0242Z	Parts Box		i	
11	XZB13X30A04	Cover		2	
12	PBJEA0070Z	AC Cord	}	1	
13	XZB25X40A04R	Cover for Manual	1	2	
14	PBQX50233Y	Operation Manual		1	
15	PBQX50234Y	Installation Manual	1	i	
16	PBQX50235Y	Maintenance Manual	1	i	
17	PBQX70014Z	Warranty Card	İ	i	
18	PBHSA0055Z	Cleaning Paper		i	
19	PBMDA0575Z-J	Hopper Attachement		i	
20	PBHEA0142Z	Blower		1	
21	ZPFG88AU0A	Blower		i	
22	ZVC0XJ4021	Cover for SCSI Board		i	
23	XZB23X17A03	Cover for FD		1	
24	PBAQX01S46-J	FD with Software (ISIS)		i	
25	PBAQX02S43-J	FD with Software (PIXVIEW3.1(1))]	i	
26	PBAQX03S43-J	FD with Software (PIXVIEW3.1(2))		i	
27	PBAQX04S43-J	FD with Software (PIXVIEW-NT(1))	l	i	
28	PBAQX05S43-J	FD with Software (PIXVIEW-NT(2))		1	
29	PBAQX02S46-J	FD with Software (TWAIN)		1	
30	PBQAA0173Z	Customer Label		1	
31	PBQX50238Z	Installation Manual		2	
32	PBQX90106Z	ISIS Installation Manual		1	
33	PBQX90107Z	TWAIN Installation Manual		1	
34	PBPGA0323Z	Carton Box		1	
	PBPNA0234ZA	Cushion		1	
	PBPNA0237ZA	Parts Box		1	



SECTION 15 REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Notes: RTL (Retention Time Limited)

The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

Unique Parts Indication

The marking (M) in the Ref. No. column indicates unique parts for KV-SS855.

The marking (U) in the Ref. No. column indicates unique parts for KV-SS855U.

Abbreviation of Part Name and Description

1. Resistor

Example:

ERJ6GEYJ472 <u>C</u> 4.7k, <u>J</u>, 1/10W TYPE ALLOWANCE

TYPE **ALLOWANCE** C: Carbon ±1% G: ±2% F: Fuse M: Metal Oxide ±5% J: ±10% Metal Film K: Solid M: ±20% W: Wire Wound

2. Capacitor

Example:

ECUX1H104ZFX <u>C</u> 0.1, <u>Z</u>, 50V

TYPE ALLOWANCE

	TYPE	ALLOWANCE			
C:	Ceramic	C: ±0.25 pF			
E:	Electrolytic	D: ±0.5 pF			
P:	Polyester	F: ±1 pF			
ĺ	Polypropylene	J: ±5%			
T:	Tantalum	K: ±10%			
1		L: ±15%			
		M: ±20%			
		P :+100%, -0%			
		Z:+80%, -20%			

MAIN CONTROL Board

Ref No.	Part No.	Description			otion
	RESISTORS	T			
R1001	ERJ6GEYJ181	C	180,	J,	1/10W
R1002	ERJ3GEYJ561	C	560,	J,	1/16W
R1003	ERJ6GEYJ181	C	180,	J,	1/10W
R1004	ERJ3GEYJ561	C	560,	J,	1/16W
R1005	ERJ3GEYJ472	C	4.7k,	J,	1/16W
R1006	ERJ3GEYJ472	C	4.7k,	J,	1/16W
R1007	ERJ3GEYJ223	C	22k,	J,	1/16W
R1008	ERJ3GEYJ561	C	560,	J,	1/16W
R1009	ERJ3GEYJ470	C	47,	J,	1/16W
R1010	ERJ3GEYJ683	C	68k,	J,	1/16W
R1011	ERJ3GEYJ333	C	33k,	J,	1/16W
R1013	ERJ3GEYJ220	C	22,	J,	1/16W
R1014	ERJ3GEYJ223	C	22k,	J,	1/16W
R1041	ERJ6GEYJ181	C	180,	J,	1/10W
R1042	ERJ3GEYJ561	C	560,	J,	1/16 W
R1043	ERJ6GEYJ181	C	180,	J,	1/10W
R1044	ERJ3GEYJ561	C	560,	J,	1/16W
R1047	ERJ3GEYJ223	C	22k,	J,	1/16W
R1048	ERJ3GEYJ561	C	560,	J,	1/16W
R1049	ERJ3GEYJ470	C	47,	J,	1/16W
R1050	ERJ3GEYJ683	c	68k,	J,	1/16W
R1051	ERJ3GEYJ333	C	33k,	J,	1/16W
R1053	ERJ3GEYJ220	C	22,	J,	1/16W
R1054	ERJ3GEYJ223	С	22k,	J,	1/16W

Ref No.	Part No.		De	escrip	tion	
R1055	ERJ3GEYJ272	С	2.7k,	J,	1/16W	_
R1056	ERJ3GEYJ222	C	2.2k,	J,	1/16W	
R1057	ERJ3GEYJ222	C	2.2k,	J,	1/16W	
R1101	ERJ3GEYJ472	C	4.7k,	J,	1/16W	
R1102	ERJ3GEYJ220	C.	22,	J,	1/16W	
R1103	ERJ3GEYJ220	C	22,	J,	1/16W	
R1104	ERJ3GEYJ220	C	22,	J,	1/16W	
R1105	ERJ3GEYJ103	C	10k,	J,	1/16W	
R1106	ERJ3GEYJ103	C	10k,	J,	1/16W	
R1107	ERJ3GEYJ103	C	10k,	J,	1/16W	
R1108	ERJ3GEYJ220	C	22,	J,	1/16W	
R1111	ERJ3GEYJ103	C	10k,	J,	1/16W	
R1112	ERJ3GEYJ103	C	10k,	J,	1/16W	
R1113	ERJ3GEYJ220	C	22,	١,	1/16W	
R1114	ERJ3GEYJ220	C	22,	J,	1/16W	
R1115	ERJ3GEYJ220	C	22,	J,	1/16 W	
R1116	ERJ3GEYJ103	C	10k,	J,	1/16W	
R1117	ERJ3GEYJ103	C	10k,	J,	1/16W	
R1118	ERJ3GEYJ220	C	22,	J,	1/16W	
R1120	ERJ3GEYJ472	C	4.7k,	J,	1/16W	
R1121	ERJ3GEYJ472	C	4.7k,	J,	1/16 W	
R1122	ERJ3GEYJ103	С	10k,	J,	1/16W	
R1123	ERJ3GEYJ103	C	10k,	J,	1/1 6W	
R1124	ERJ3GEYJ103	C	10k,	J,	1/16W	
R1125	ERJ3GEYJ103	C	10k,	J,	1/16W	

Ref No.	Part No.	Ì	D	escrip	otion
R1130	ERJ3GEYJ681	С	680,	J,	1/16W
R1131	ERJ3GEYJ681	C	680,	J,	1/16W
R1132	ERJ3GEYJ681	C	680,	J,	1/16W
R1133	ERJ3GEYJ681	С	680,	J,	1/16W
R1141	ERJ3GEYJ103	C	10k,	J,	1/16W
R1142 R1143	ERJ3GEYJ103	C	10k,	J,	1/16W
R1143	ERJ3GEYJ681 ERJ3GEYJ681	c	680, 680,	J, J,	1/16W 1/16W
R1145	ERJ3GEYJ472	c	4.7k,	J,	1/16W
R1146	ERJ3GEYJ472	Č	4.7k,	J,	1/16W
R1147	ERJ3GEYJ220	C	22,	J,	1/16W
R1148	ERJ3GEYJ103	С	10k,	J,	1/16W
R1149	ERJ3GEYJ101	C	100,	J,	1/16W
R1150	ERJ3GEYJ103	C	10k,	J,	1/16W
R1201 R1202	ERJ3GEYJ220 ERJ3GEYJ220	C	22, 22,	J, J,	1/16W 1/16W
R1203	ERJ3GEYJ220	C	22, 22,	J, J,	1/16W
R1204	ERJ3GEYJ220	C	22,	J,	1/16W
R1205	ERJ3GEYJ220	c	22,	J,	1/16W
R1206	ERJ3GEYJ220	С	22,	J,	1/16W
R1207	ERJ3GEYJ220	С	22,	J,	1/16W
R1208	ERJ3GEYJ220	C	22,	J,	1/16W
R1209	ERJ3GEYJ220	C	22,	J,	1/16W
R1210 R1211	ERJ3GEYJ220	C	22,	J,	1/16W
R1211	ERJ3GEYJ220 ERJ3GEYJ220	c	22, 22,	J, J,	1/16W 1/16W
R1213	ERJ3GEYJ220	c	22,	J,	1/16W
R1214	ERJ3GEYJ220	č	22,	J,	1/16W
R1220	ERJ3GEYJ103	C	10k,	J,	1/16W
R1221	ERJ3GEYJ103	С	10k,	J,	1/16W
R1222	ERJ3GEYJ103	C	10k,	J,	1/16W
R1223	ERJ3GEYJ103	C	10k,	J,	1/16W
R1224	ERJ3GEYJ103	C	10k,	J,	1/16W
R1225 R1226	ERJ3GEYJ103 ERJ3GEYJ103	C	10k, 10k,	J,	1/16W 1/16W
R1227	ERJ3GEYJ103	c	10k,	J, J,	1/16W
R1228	ERJ3GEYJ103	c	10k,	J,	1/16W
R1229	ERJ3GEYJ103	C	10k,	J,	1/16W
R1230	ERJ3GEYJ103	С	10k,	J,	1/16W
R1231	ERJ3GEYJ103	С	10k,	J,	1/ 16W
R1232	ERJ3GEYJ220	Ç	22,	J,	1/16W
R1240 R1241	ERJ3GEYJ560 ERJ3GEYJ472	C	56, 4.7k,	J, J,	1/16W 1/16W
R1242	ERJ3GEYJ560	c	4.7K, 56,	J,	1/16W
R1245	ERJ3GEYJ220	c	22,	J,	1/16W
R1246	ERJ3GEYJ220	С	22,	J,	1/16W
R1247	ERJ3GEYJ220	С	22,	J,	1/16W
R1248	ERJ3GEYJ220	С	22,	J,	1/16W
R1249	ERJ3GEYJ220	C	22,	J,	1/16W
R1250	ERJ3GEYJ220	C	22,	J,	1/16W
R1251 R1252	ERJ3GEYJ220 ERJ3GEYJ220	C	22, 22,	J, J,	1/16W 1/16W
R1253	ERJ3GEYJ220	C	22, 22,	J,	1/16W
R1254	ERJ3GEYJ220	C	22,	J,	1/16W
R1255	ERJ3GEYJ220	C	22,	J,	1/16W
R1256	ERJ3GEYJ220	С	22,	J,	1/16W
R1257	ERJ3GEYJ220	C	22,	J,	1/16W
R1258	ERJ3GEYJ220	Č	22,	J,	1/16W
R1259	ERJ3GEYJ220	C	22,	J,	1/16W
R1271 R1272	ERJ3GEYJ103 ERJ3GEYJ103	C	10k, 10k,	J,	1/16W 1/16W
R1273	ERJ3GEYJ103	C	10k, 10k,	J, J,	1/16W
R1274	ERJ3GEYJ103	C	10k,	J,	1/16W
R1275	ERJ3GEYJ103	Č	10k,	J,	1/16W
R1276	ERJ3GEYJ103	C	10k,	J,	1/16W
R1277	ERJ3GEYJ103	С	10k,	J,	1/16W
R1278	ERJ3GEYJ103	C	10k,	J,	1/16W
R1279	ERJ3GEYJ103	C	10k,	J,	1/16W
R1280	ERJ3GEYJ103	C	10k,	J,	1/16W
R1281 R1282	ERJ3GEYJ103 ERJ3GEYJ103	C	10k, 10k,	J, J,	1/16W 1/16W
R1283	ERJ3GEYJ560	c	56,	J,	1/16W
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J1202	Ref No.	Part No.	Description
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Z11109			· -
Z1110			1
Z1111			
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Z1114	Z1112	MNR14E0AJ220	· · · · · · · · · · · · · · · · · · ·
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Z1216 MNR14E0AJ220 Resistor Array Z1217 MNR14E0AJ220 Resistor Array Z1218 MNR14E0AJ220 Resistor Array Z1219 MNR14E0AJ220 Resistor Array Z1220 MNR14E0AJ220 Resistor Array Z1221 MNR14E0AJ220 Resistor Array Z1222 MNR14E0AJ220 Resistor Array Z1223 MNR14E0AJ220 Resistor Array Z1224 MNR14E0AJ220 Resistor Array Z1225 MNR14E0AJ220 Resistor Array Z1226 MNR14E0AJ220 Resistor Array Resistor Array Resistor Array			
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Z1219 MNR14E0AJ220 Resistor Array Z1220 MNR14E0AJ220 Resistor Array Z1221 MNR14E0AJ220 Resistor Array Z1222 MNR14E0AJ220 Resistor Array Z1223 MNR14E0AJ220 Resistor Array Z1224 MNR14E0AJ220 Resistor Array Z1225 MNR14E0AJ220 Resistor Array Z1226 MNR14E0AJ220 Resistor Array Resistor Array Resistor Array		í	1
Z1220 MNR14E0AJ220 Resistor Array Z1221 MNR14E0AJ220 Resistor Array Z1222 MNR14E0AJ220 Resistor Array Z1223 MNR14E0AJ220 Resistor Array Z1224 MNR14E0AJ220 Resistor Array Z1225 MNR14E0AJ220 Resistor Array Z1226 MNR14E0AJ220 Resistor Array Resistor Array Resistor Array		ľ	1
Z1221 MNR14E0AJ220 Resistor Array Z1222 MNR14E0AJ220 Resistor Array Z1223 MNR14E0AJ220 Resistor Array Z1224 MNR14E0AJ220 Resistor Array Z1225 MNR14E0AJ220 Resistor Array Z1226 MNR14E0AJ220 Resistor Array Resistor Array Resistor Array			1
Z1222		· ·	1
Z1224 MNR14E0AJ220 Resistor Array			Resistor Array
Z1225 MNR14E0AJ220 Resistor Array Z1226 MNR14E0AJ220 Resistor Array	1	í	1
Z1226 MNR14E0AJ220 Resistor Array	E .		•
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The state of the s	Z1227	MNR14E0AJ220	Resistor Array

	NTROL Board	· · · · · · · · · · · · · · · · · · ·
Ref No.	Part No.	Description
Z1228	MNR14E0AJ220	Resistor Array
Z1229	MNR14E0AJ220	Resistor Array
Z1230 Z1231	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
Z1232	MNR14E0AJ220	Resistor Array
Z1233	MNR14E0AJ220	Resistor Array
Z1234	MNR14E0AJ220	Resistor Array
Z1235	MNR14E0AJ220 MNR14E0AJ220	Resistor Array
Z1242 Z1243	MNR14E0AJ220	Resistor Array Resistor Array
Z1244	MNR14E0AJ220	Resistor Array
Z1245	MNR14E0AJ220	Resistor Array
Z1246	MNR14E0AJ220	Resistor Array
Z1247 Z1248	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
Z1249	MNR14E0AJ220	Resistor Array
Z1250	MNR14E0AJ220	Resistor Array
Z1251	MNR14E0AJ220	Resistor Array
Z1252 Z1253	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
Z1254	MNR14E0AJ220	Resistor Array
Z1255	MNR14E0AJ220	Resistor Array
Z1256	MNR14E0AJ220	Resistor Array
Z1257	MNR14E0AJ220	Resistor Array
Z1258 Z1259	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
Z1260	MNR14E0AJ220	Resistor Array
Z1261	MNR14E0AJ220	Resistor Array
Z1262	MNR14E0AJ220	Resistor Array
Z1263 Z1264	MNR14E0AJ220 MNR14E0AJ220	Resistor Array
Z1264 Z1265	MNR14E0AJ220	Resistor Array Resistor Array
Z1266	MNR14E0AJ220	Resistor Array
Z1267	MNR14E0AJ220	Resistor Array
Z1268	MNR14E0AJ220	Resistor Array
Z1269 Z1270	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
Z1271	MNR14E0AJ220	Resistor Array
Z1272	MNR14E0AJ220	Resistor Array
Z1273	MNR14E0AJ220	Resistor Array
Z1274 Z1276	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
Z1277	MNR14E0AJ220	Resistor Array
Z1278	MNR14E0AJ220	Resistor Array
	CAPACITORS	
C1001	ECUX1C104ZFV	C 0.1, Z, 16V
C1002	ECUX1C104ZFV	C 0.1, Z, 16V
C1003	ECUX1C104ZFV	C 0.1, Z, 16V
C1004	ECUX1C104ZFV ECUX1C104ZFV	C 0.1, Z, 16V C 0.1, Z, 16V
C1005 C1006	ECUXICIO4ZFV	C 0.1, Z, 16V
C1007	ECUX1H470JCV	C 47P, J, 50V
C1008	ECUX1H470JCV	C 47P, J, 50V
C1009	ECUX1H470JCV ECUX1H470JCV	C 47P, J, 50V C 47P, J, 50V
C1010 C1011	ECEVIAA101SP	C 47P, J, 50V C 100, 10V
C1012	EGUX1C104ZFV	C 0.1, Z, 16V
C1013	ECUX1C104ZFV	C 0.1, Z, 16V
C1014	ECUX1C104ZFV	C 0.1, Z, 16V
C1015 C1016	ECUX1C104ZFV ECUX1C104ZFV	C 0.1, Z, 16V C 0.1, Z, 16V
C1017	ECUX1C105ZFW	C 1, Z, 16V
C1018	ECUX1C105ZFW	C 1, Z, 16V
C1019	ECUX1C105ZFW	C 1, Z, 16V
C1021	ECUX1C104ZFV ECUX1C104ZFV	C 0.1, Z, 16V C 0.1, Z, 16V
C1031 C1032	ECUXIC104ZFV	C 0.1, Z, 16V
C1033	ECUX1C104ZFV	C 0.1, Z, 16V
C1034	ECUX1C104ZFV	C 0.1, Z, 16V
C1035	ECUX1C104ZFV	C 0.1, Z, 16V C 0.1, Z, 16V
C1036	ECUX1C104ZFV	C 0.1, Z, 16V

Ref No.	Part No.		De	scrip	tion
C1037	ECUX1H470JCV	С	47P,	J,	50V
C1038 C1039	ECUX1H470JCV ECUX1H470JCV	CC	47P, 47P,	J, J,	50V 50V
C1039	ECUX1H470JCV	C	471, 47P,	J,	50V
C1041	ECEV1AA101SP	C	100,	-,	10V
C1043	ECUX1C104ZFV	С	0.1,	Z,	16V
C1044	ECUX1C104ZFV	C	0.1,	Ζ,	16V
C1045 C1046	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C1046	ECUXIC1042FV	č	1,	Z, Z,	16V
C1048	ECUX1C105ZFW	C	1,	Z,	16V
C1049	ECUX1C105ZFW	С	1,	Z,	16V
C1051	ECUX1C104ZFV	C	0.1,	Ζ,	16V
C1061 C1062	ECUX1C104ZFV ECEV1EA4R7SR	C	0.1, 4.7,	Z,	16V 25V
C1063	ECUX1C104ZFV	Ç	0.1,	Z,	16V
C1064	ECEV1AA221	C	220,	_,	10V
C1065	ECEV1AA221	С	220,		10V
C1068	ECUX1H101JCV	C	100P,	J,	50V
C1069 C1070	ECUX1C104ZFV ECUX1H101JCV	C	0.1, 100P,	Z, J,	16V 50V
C1070	ECUXIC104ZFV	c	0.1,	Ζ,	16V
C1101	ECUX1C224ZFV	С	0.22,	z,	16V
C1102	ECUX1C224ZFV	С	0.22,	Z,	16V
C1103	ECUX1C104ZFV	C	0.1,	Z,	16V 10V
C1104 C1105	ECEV1AA101SP ECUX1H220JCV	C	100, 22P,	J,	50V
C1106	ECUX1H220JCV	c	22P.	J,	50V
C1107	ECUX1C104ZFV	С	0.1,	Z,	16V
C1108	ECUX1C104ZFV	C	0.1,	Z,	16V
C1109 C1110	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C1111	ECUX1C104ZFV	C	0.1,	Z,	16V
C1112	ECEV1AA101SP	Č	100,		10V
C1113	ECUX1C104ZFV	С	0.1,	Z,	16V
C1114	ECUX1C104ZFV	C	0.1,	Z,	16V 16V
C1115 C1116	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z.	16V
C1118	ECUX1C102KBV	Č	1000P,	ĸ,	16V
C1119	ECUX1C104ZFV	С	0.1,	Z,	16V
C1120	ECUX1C102KBV	C	1000P,	K,	16V
C1130 C1133	ECUX1H101JCV ECUX1H101JCV	C	100P, 100P,	J, J,	50V 50V
C1133	ECUX1H101JCV	C	100P,	J,	50V
C1135	ECUX1C104ZFV	C	0.1,	Z,	16V
C1136	ECUX1C104ZFV	С	0.1,	Z,	16V
C1137	ECUX1C104ZFV	C	0.1,	Z,	16V
C1138	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C1139 C1140	ECEV1AA101SP	c	100,	<u></u> ,	10V 10V
C1141	ECEV1AA101SP	Č	100,		10 V
C1142	ECEV1AA101SP	С	100,		10V
C1143	ECEVIAA101SP	C	100,	7	10V
C1144 C1145	ECUX1C104ZFV ECEV1AA101SP	C	0.1, 100,	Z,	16V 10V
C1146	ECEVIAA101SP	C	100,		10V 10V
C1147	ECEV1AA101SP	C	100,		10 V
C1148	ECEV1AA101SP	C	100,	**	10V
C1149	ECUX1C104ZFV	C	0.1,	Z, 7	16V
C1150 C1151	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C1152	ECUX1H101JCV	C	100P,	۷, ال	50V
C1153	ECUX1H220JCV	С	22P,	J,	50 V
C1154	ECUX1H220JCV	C.	22P,	J,	50V
C1155	ECUX1H220JCV	C	22P,	J,	50V
C1156 C1157	ECUX1H220JCV ECUX1H220JCV	C	22P, 22P,	J, J,	50V 50V
C1158	ECUX1H220JCV	C	22P,	J,	50V
C1159	ECUX1H101JCV	C	100P,	J,	50 V
C1160	ECUX1H101JCV	C	100P,	J,	50V
C1161 C1162	ECUX1H101JCV ECUX1H101JCV	C	100P, 100P,	J, J,	50V 50V
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	NTROL Board	(60			
Ref No.	Part No.)escri	ption
C1163	ECUX1H101JCV	С	100P,	J,	50V
C1164	ECUX1H101JCV	C	100P,	J,	50V
C1201 C1202	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C1202	ECUX1C104ZFV	č	0.1,	Z, Z,	16V
C1204	ECUX1C104ZFV	Č	0.1,	Z,	16V
C1205	ECUX1C104ZFV	C	0.1,	Z,	16V
C1206	ECUX1C104ZFV	C	0.1,	Z,	16V
C1207	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z,	16V 16V
C1208 C1209	ECUX1C104ZFV	c	0.1,	Z, Z,	16V
C1211	ECUX1C104ZFV	č	0.1,	Z.,	16V
C1212	ECUX1C104ZFV	C	0.1,	Z,	16V
C1213	ECUX1C104ZFV	С	0.1,	Z,	16V
C1214	ECUX1C104ZFV	C	0.1,	Z,	16V
C1215 C1216	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C1217	ECUX1C104ZFV	C	0.1,	Z, Z,	16V
C1218	ECUX1C104ZFV	C	0.1,	Z,	16V
C1220	ECUX1C104ZFV	C	0.1,	Z,	16V
C1221	ECUX1C104ZFV	C	0.1,	Z,	16V
C1222 C1223	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K,	16V 16V
C1223	ECUX1C104ZFV	c	0.1.	Z,	16V
C1225	ECUX1C102KBV	c	1000P,	ĸ,	16V
C1226	ECUX1C104ZFV	C	0.1,	Z,	16V
C1227	ECUX1C102KBV	C	1000P,	Κ,	16V
C1228	ECUX1C104ZFV	C	0.1, 1000P,	Z,	16V
C1229 C1230	ECUX1C102KBV ECUX1C104ZFV	C	0.1,	K, Z,	16V 16V
C1231	ECUX1C102KBV	Č	1000P,	ĸ,	16V
C1232	ECUX1C104ZFV	С	0.1,	Z,	16V
C1233	ECUX1C102KBV	C	1000P,	Κ,	16V
C1234	ECUX1C104ZFV	C	0.1,	Z, Z,	16V
C1235 C1236	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C1240	ECUX1C104ZFV	C	0.1,	Z,	16V
C1241	ECUX1C104ZFV	C	0.1,	Z,	16V
C1242	ECUX1C104ZFV	C	0.1,	Z,	16V
C1243 C1244	ECUX1C104ZFV ECUX1C104ZFV	C	0.1,	Z, Z,	16V 16V
C1244	ECUX1C104ZFV	c	0.1, 0.1,	Z, Z,	16V 16V
C1246	ECUX1C104ZFV	c	0.1,	Z,	16V
C1247	ECUX1C104ZFV	C	0.1,	Z,	16V
C1248	ECUX1C104ZFV	C	0.1,	Z,	16V
C1249 C1250	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C1251	ECUX1C104ZFV	č	0.1,		16V
C1252	ECUX1C104ZFV	Č	0.1,		16V
C1253	ECUX1C104ZFV	C	0.1,		16V
C1254	ECUX1C104ZFV	Ç	0.1,		16V
C1255 C1256	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,		16V 16V
C1250	ECUX1C104ZFV	c	0.1,		16V
C1258	ECUX1C104ZFV	C	0.1,		16V
C1259	ECUX1C104ZFV	C	0.1,	Z,	16V
C1260	ECUX1C104ZFV	C	0.1,		16V
C1261 C1262	ECUX1C104ZFV ECUX1C104ZFV	C	0.1,		16V
C1262 C1263	ECUX1C104ZFV	C	0.1, 1000P.		16V 16V
C1264	ECUX1C104ZFV	C	0.1,	Z,	16V
C1265	ECUX1C102KBV	C	1000P,		16V
C1266	ECUX1C104ZFV	C	0.1,	Z,	16V
C1267	ECUX1C102KBV	C	1000P,		16V
C1268 C1269	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K,	16V 16V
C1270	ECUX1C104ZFV	C	0.1,	Z,	16V
C1271	ECUX1C102KBV	С	1000P,		16V
C1272	ECUX1C104ZFV	C	0.1,		16V
C1273	ECUX1C102KBV	C	1000P,		16V
C1274 C1275	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,		16V 16V
		<u> </u>	0.1,	<u>-,</u>	.07

C1276	Ref No.	Part No.	De	escrip	tion
C1277	C1276	ECUX1C104ZFV	C 0.1.	Z.	16V
C1279			'		
C1280	C1278	ECUX1C104ZFV	C 0.1,	Z,	16V
Z1140		ECUX1C104ZFV			16V
Z1141				Z,	16V
Z1142					
Z1143					
Z1144			, ,		
Z1146					
Z1146					
Z1148					
Z1149	Z1147	EZASCE101M	Capacitor Array		
Z1150					
Z1151					
Z1152	-				
Z1153					
Z1154					
Z1155					
Z1156					
Z1157					
Z1159		EZASCE101M			
Z1160					
Z1161			, ,		
COILS					
COILS			•		
L1001	21102	EZASCEZZUW	Capacitor Array		
L1001		COILS			
L1103	L1001		Coil		
DIODES		-	Coil		
DIODES DIODES DIODE	L1103	BLM11A601SPT	Chip Core		
D1001 MA132A Diode	L1201	BLM11A601SPT	Chip Core		
D1001 MA132A Diode					
D1101 BR1102W	D1001		Diada		
D1102 BR1102W LED					
D1103					
D1104					
TRANSISTORS			ł .		
TRANSISTORS C1001 2SA1037K Transistor Transistor C1002 2SA1037K Transistor Transistor C1003 2SC2412K Transistor Transistor C1006 2SA1037K Transistor Transistor C1007 2SC2412K Transistor C1007 2SC2412K Transistor C1009 2SC2412K Transistor Transistor C1009 2SC2412K Transistor C1009 2SC2412K Transistor C1000 AK5482 IC IC IC IC IC IC IC I	D1105	BR1102W	LED		
Q1001	D1106	BR1102W	LED		
Q1001					
Q1002 2SA1037K Transistor Q1003 2SC2412K Transistor Q1006 2SA1037K Transistor Q1007 2SC2412K Transistor Q1009 2SC2412K Transistor ICs ICs IC IC IC IC IC IC IC IC IC IC IC IC IC I	04004		T-4!-4		
Q1003			· ·		
Q1005 2SA1037K Transistor Q1006 2SA1037K Transistor Q1007 2SC2412K Transistor Q1009 2SC2412K Transistor ICs IC1001 SN74HC4066NS IC IC1002 AK5482 IC IC1003 AK5482 IC IC1004 SN74HC245NS2 IC IC1005 TC7S08FU IC IC11006 TC7S04FU IC IC1102 MBM29F040C90 IC IC1103 S-29220AFJ EEPROMn(2k) IC1104 M51953BFP Reset IC IC1105 CY7C199-15VC SRAM IC1106 CY7C199-15VC SRAM IC1107 SN74HC245NS2 IC IC1108 SN74HC245NS2 IC IC1109 HD6432655A00 IC IC1110 TC74AC138F IC (AC138) IC1111 TC74AC138F IC (AC138) IC1112 TC74AC273F TTL74ALS <td></td> <td></td> <td></td> <td></td> <td></td>					
Q1006					
C3		2SA1037K			
ICs IC1001 SN74HC4066NS IC IC1002 AK5482 IC IC IC IC IC IC IC I	Q1007	2SC2412K	Transistor		
IC1001	Q1009	2SC2412K	Transistor		
IC1001		l. <u>.</u>			
IC1002	101001		100		
IC1003					
IC1004					
IC1005					
IC1006					
IC1103					
IC1104 M51953BFP Reset IC IC1105 CY7C199-15VC SRAM IC1106 CY7C199-15VC SRAM IC1107 SN74HC08NS20 IC IC1108 SN74HC245NS2 IC IC1109 HD6432655A00 IC IC1110 TC74AC138F IC (AC138) IC1111 TC74AC138F IC (AC138) IC1112 TC74AC273F TTL74ALS IC1112 TC74AC273F TTL74ALS IC1115 IC1116 IC1117 IC1117 IC1117 IC1117 IC1117 IC1117 IC1117 IC17 IC117 IC117 IC117 IC117 IC117 IC117 IC117 IC117 IC117		MBM29F040C90			
IC1105 CY7C199-15VC SRAM SRAM IC1106 CY7C199-15VC SRAM IC1107 SN74HC08NS20 IC IC1108 SN74HC245NS2 IC IC1109 HD6432655A00 IC IC1110 TC74AC138F IC (AC138) IC1111 TC74AC138F IC (AC138) IC1112 TC74AC273F TTL74ALS IC1112 TC74AC273F TTL74ALS IC1116 IC116 IC116 IC116 IC117					į
IC1106					
IC1107 SN74HC08NS20 IC IC1108 SN74HC245NS2 IC IC1109 HD6432655A00 IC IC1110 TC74AC138F IC (AC138) IC1111 TC74AC138F IC (AC138) IC1112 TC74AC273F TTL74ALS IC1112 TC74AC273F TTL74ALS					
IC1108 SN74HC245NS2 IC IC1109 HD6432655A00 IC IC1110 TC74AC138F IC (AC138) IC1111 TC74AC138F IC (AC138) IC1112 TC74AC273F TTL74ALS					
IC1109	l .		·		
IC1110 TC74AC138F IC (AC138) IC1111 TC74AC138F IC (AC138) IC (AC138) IC1112 TC74AC273F TTL74ALS					
IC1111					
IC1112 TC74AC273F TTL74ALS			' '		
IC1113 SN74HC245NS2 IC			'		
· · · · · · · · · · · · · · · · · · ·	IC1113	SN74HC245NS2	IC .		

Ref No.	Part No.	Description
IC1114	TC74AC138F	IC (AC138)
IC1115	SN74LV32ANS2	lic
IC1117	TC7W00FU	l ic
IC1118	TC7W34FU	ic .
IC1201	SLAA16AF0Y	IC
IC1202	CY7C199-15VC	SRAM
IC1203	CY7C199-15VC	SRAM
IC1204	CY7C199-15VC	SRAM
IC1205	CY7C199-15VC	SRAM
IC1206	CY7C199-15VC	SRAM
IC1207	CY7C199-15VC	SRAM
IC1208	SLAA16AF1E	IC
IC1209	CY7C199-15VC	SRAM
IC1210	CY7C199-15VC	SRAM
IC1211	CY7C199-15VC	SRAM
IC1212	CY7C199-15VC	SRAM
IC1213	CY7C199-15VC	SRAM
IC1214	CY7C199-15VC	SRAM
IC1215	SN74LV32ANS2	IC
	OTHERS	
	PBAPX0257255B	MAIN Board
CN1001	175487-9	Connector 9P
CN1002	1-175487-1	Connector 11P
CN1003	175487-8	Connector 8P
CN1004	PB175487-10	Connector 10P
CN1005	176381-6	Connector 140P
X1101	1AS200006AZ	Oscillator
X1201	SG8002JA60MH	Oscillator
	3-822273-1	IC Socket

SCSI Board

Ref No.	Part No.	Description				
	RESISTORS	- 				
P600	ERJ3GEYJ220	С	22,	J,	1/16W	
R601	ERJ3GEYJ220	С	22,	J,	1/16W	
R602	ERJ3GEYJ560	С	56,	J,	1/16W	
R604	ERJ3GEYJ560	С	56,	J,	1/16W	
R605	ERJ3GEYJ220	C	22,	J,	1/16W	
R606	ERJ3GEYJ472	С	4.7k,	J,	1/16W	
R607	ERJ3GEYJ220	С	22,	J,	1/16W	
R608	ERJ3GEYJ220	С	22,	J,	1/16W	
R609	ERJ3GEYJ472	С	4.7k,	J,	1/16W	
R610	ERJ3GEYJ220	C	22,	J,	1/16W	
R611	ERJ3GEYJ220	С	22,	J,	1/16 W	
R612	ERJ3GEYJ472	С	4.7k,	J,	1/16W	
R613	ERJ3GEYJ220	C	22,	J,	1/16W	
R614	ERJ3GEYJ220	C	22,	J,	1/16W	
R615	ERJ3GEYJ220	С	22,	J,	1/16W	
R616	ERJ3GEYJ472	С	4.7k,	J,	1/16W	
R618	ERJ3GEYJ472	C	4.7k,	J,	1/16W	
R619	ERJ3GEYJ220	С	22,	J,	1/16W	
R621	ERJ3GEYJ472	С	4.7k,	J,	1/16W	
R622	ERJ3GEYJ560	C	56,	J,	1/16W	
R624	ERJ3GEYJ472	C	4.7k,	J,	1/16W	
R625	SMD125-2	Poly	Switch			
R626	ERJ3GEYJ472	C	4.7k,	J,	1/16W	
R627	ERJ3GEYJ228	С	22k,	J,	1/16W	
J701	ERJ3GEYJ472	С	4.7k,	J,	1/16W	
L600	ERJ3GEY0R00	0-ohr	n Jumper	•		
L601	ERJ3GEY0R00		n Jumper			
Z600	MNR14E0AJ220		stor Array			
Z601	MNR14E0AJ220		stor Array			
Z602	MNR14E0AJ220		stor Array			
Z603	MNR14E0AJ220		stor Array			
Z604	MNR14E0AJ220	1	stor Array			
Z605	MNR14E0AJ220		stor Array			
Z606	MNR14E0AJ220		stor Array			
Z607	MNR14E0AJ220	•	stor Array			

Ref No.	Part No.	Description
Z608	MNR14E0AJ220	Resistor Array
Z 609	MNR14E0AJ220	Resistor Array
Z610	MNR14E0AJ220	Resistor Array
Z611	MNR14E0AJ220	Resistor Array
Z612 Z613	MNR14E0AJ101 MNR14E0AJ101	Resistor Array Resistor Array
Z614	MNR14E0AJ220	Resistor Array
Z615	MNR14E0AJ220	Resistor Array
2616	MNR14E0AJ220	Resistor Array
Z617	MNR14E0AJ220	Resistor Array
Z618 Z619	MNR14E0AJ220 MNR14E0AJ220	Resistor Array
Z620	MNR14E0AJ220	Resistor Array Resistor Array
Z621	MNR14E0AJ220	Resistor Array
Z622	MNR14E0AJ220	Resistor Array
Z623	MNR14E0AJ472	Resistor Array
Z624 Z625	MNR14E0AJ472 MNR14E0AJ220	Resistor Array
Z626	MNR14E0AJ220	Resistor Array Resistor Array
Z627	MNR14E0AJ220	Resistor Array
Z628	MNR14E0AJ220	Resistor Array
Z629	MNR14E0AJ220	Resistor Array
Z630 Z631	MNR14E0AJ220	Resistor Array
Z632	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
Z633	MNR14E0AJ220	Resistor Array
Z634	MNR14E0AJ220	Resistor Array
Z635	MNR14E0AJ220	Resistor Array
Z636	MNR14E0AJ220	Resistor Array
Z637 Z638	MNR14E0AJ220 MNR14E0AJ472	Resistor Array Resistor Array
Z639	MNR14E0AJ472	Resistor Array
Z640	MNR14E0AJ472	Resistor Array
Z641	MNR14E0AJ472	Resistor Array
Z642	MNR14E0AJ472	Resistor Array
Z643 Z644	MNR14E0AJ103 MNR14E0AJ103	Resistor Array Resistor Array
Z645	MNR14E0AJ103	Resistor Array
Z646	MNR14E0AJ103	Resistor Array
Z647	MNR14E0AJ103	Resistor Array
Z648	MNR14E0AJ103	Resistor Array
Z649 Z650	MNR14E0AJ103 MNR14E0AJ103	Resistor Array Resistor Array
Z651	MNR14E0AJ103	Resistor Array
Z652	MNR14E0AJ103	Resistor Array
Z653	MNR14E0AJ103	Resistor Array
Z654	MNR14E0AJ103	Resistor Array
Z655 Z656	MNR14E0AJ103 MNR14E0AJ103	Resistor Array Resistor Array
Z657	MNR14E0AJ103	Resistor Array
Z658	MNR14E0AJ103	Resistor Array
Z659	MNR14E0AJ472	Resistor Array
Z660	MNR14E0AJ472 MNR14E0AJ220	Resistor Array Resistor Array
Z661 Z662	MNR14E0AJ220 MNR14E0AJ220	Resistor Array
Z663	MNR14E0AJ220	Resistor Array
Z664	MNR14E0AJ220	Resistor Array
Z665	MNR14E0AJ220	Resistor Array
Z666	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
Z667 Z668	MNR14E0AJ220 MNR14E0AJ220	Resistor Array
Z669	MNR14E0AJ220	Resistor Array
Z670	MNR14E0AJ220	Resistor Array
Z671	MNR14E0AJ220	Resistor Array
Z672	MNR14E0AJ220	Resistor Array
Z673 Z674	MNR14E0AJ220 MNR14E0AJ220	Resistor Array Resistor Array
~~~	MINITALUNUEZU	nodolo: nitaj
	CAPACITORS	
C600	ECUX1C104ZFV	C 0.1, Z, 16V
C601	ECUX1C102KBV	C 1000P, K, 16V
C602	ECUX1C104ZFV	C 0.1, Z, 16V

**SCSI Board (continued)** 

Ref No.	Part No.		D	escri	otion
C603	ECUX1C102KBV	С	1000P,	K,	16V
C604	ECUX1C104ZFV	C	0.1,	Z,	16V
C605	ECUX1C102KBV	C	1000P,	K,	16V
C606	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K,	16V 16V
C607 C608	ECUX1C102KBV	C	0.1,	Z,	16V 16V
C609	ECUX1C102KBV	č	1000P,	ĸ,	16V
C610	ECUX1C104ZFV	С	0.1,	z,	16V
C611	ECUX1C102KBV	С	1000P,	K,	16V
C612	ECUX1C104ZFV	C	0.1,	Z,	16V
C613	ECUX1C102KBV	C	1000P, 0.1.	Κ,	16V
C614 C615	ECUX1C104ZFV ECUX1C102KBV	C	1000P,	Z, K,	16V 16V
C616	ECUX1C104ZFV	Č	0.1,	Z,	16V
C617	ECUX1C102KBV	С	1000P,	ĸ,	16V
C618	ECUX1C104ZFV	С	0.1,	Z,	16V
C619	ECUX1C102KBV	C	1000P,	K,	16V
C620	ECUX1C104ZFV	C	0.1,	Z,	16V
C621 C622	ECUX1C102KBV ECUX1C104ZFV	C	1000P, 0.1,	K, Z,	16V 16V
C623	ECUX1C104ZIV	č	1000P,	Κ,	16V
C624	ECUX1C104ZFV	Č	0.1,	Z,	16V
C625	ECUX1C102KBV	С	1000P,	K,	16V
C626	ECUX1C104ZFV	C	0.1,	Z,	16V
C627	ECUX1C102KBV ECUX1C104ZFV	C	1000P, 0.1,	K,	16V 16V
C628 C629	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K.	16V 16V
C630	ECEV1AA101SP	C	100,	184	10V
C631	ECUX1C102KBV	c	1000P,	Κ,	16V
C632	ECUX1C104ZFV	С	0.1,	Z,	16V
C633	ECUX1H101JCV	C	100P,	J,	50V
C634	ECUX1C102KBV	C	1000P,	К,	16V
C635 C636	ECUX1C104ZFV ECUX1C104ZFV	C	0.1, 0.1,	Z, Z,	16V 16V
C637	ECUX1C102KBV	č	1000P,	K,	16V
C638	ECUX1C104ZFV	C	0.1,	Z,	16V
C639	ECUX1C102KBV	С	1000P,	K,	16V
C640	ECUX1C104ZFV	C	0.1,	Z,	16V
C641 C642	ECUX1C102KBV ECUX1C104ZFV	C	1000P, 0.1,	K, Z,	16V 16V
C643	ECUX1C1042FV	c	1000P,	Κ,	16V
C644	ECUX1C104ZFV	č	0.1.	Z,	16V
C645	ECUX1C102KBV	С	1000P,	ĸ,	16V
C646	ECUX1C104ZFV	С	0.1,	Z,	16V
C647	ECUX1C102KBV	C	1000P,	K,	16V
C648 C649	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K,	16V 16V
C650	ECUXICIO2KBV	C	0.1,	ĸ, Ż,∙	16V
C651	ECUX1C102KBV	c	1000P,	K,	16V
C652	ECUX1C104ZFV	C	0.1,	Z,	16V
C653	ECUX1C102KBV	C	1000P,	K,	16V
C654	ECUX1H101JCV	C	100P,	J,	50V
C655 C656	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K,	16V 16V
C657	ECUX1C102KBV	C	0.1,	Z,	16V
C658	ECUX1C102KBV	č	1000P,	K,	16V
C659	ECUX1C104ZFV	С	0.1,	Z,	16 <b>V</b>
C660	ECUX1C102KBV	С	1000P,	Κ,	16V
C661	ECEV1AA101SP	C	100,	-,	10V
C662 C663	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K,	16V 16V
C664	ECEV1AA101SP	C	1000,	rv,	10V
C665	ECEV1AA101SP	c	100,		10V
C666	ECUX1C104ZFV	C	0.1,	Z,	16V
C667	ECUX1C104ZFV	С	0.1,	Z,	16V
C668	ECUX1C102KBV	C	1000P,	K,	16V
C669 C670	ECUX1H101JCV ECUX1C104ZFV	C	100P, 0.1,	J, Z,	50V 16V
C671	ECUX1C104ZFV	C	1000P,	Ζ, Κ,	16V
C672	ECUX1C104ZFV	C	0.1,	Z,	16V
C673	ECUX1C102KBV	С	1000P,	ĸ,	16V
C674	ECEV1AA101SP	С	100,		10V
L	1	Ь.			

Ref No.	Part No.	Description			
				<u>.</u>	
C675	ECUX1C104ZFV	C	0.1,	Ζ,	16V
C676 C677	ECUX1C104ZFV ECEV1CA100	C	0.1, 10,	Z,	16V 16V
C678	ECUX1C104ZFV	c	0.1,	Z,	16V
C679	ECUX1C102KBV	C	1000P,	K,	16V
C680	ECUX1C104ZFV	С	0.1,	Z,	16V
C681	ECUX1C102KBV	C	1000P,	Κ,	16V
C682 C683	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K,	16V 16V
C684	ECUX1C102RBV	c	0.1.	Z,	16V
C685	ECUX1C102KBV	C	1000P	ĸ,	16V
C686	ECUX1C104ZFV	С	0.1,	Z,	16V
C687	ECUX1C102KBV	С	1000P,	Κ,	16V
C688 C689	ECUX1C104ZFV ECUX1C102KBV	C	0.1, 1000P,	Z, K,	16V 16V
C690	ECUX1C104ZFV	C	0.1,	Z,	16V
C691	ECUX1C102KBV	C	1000P,	ĸ,	16V
C692	ECUX1C104ZFV	С	0.1,	Z,	16V
C693	ECUX1C102KBV	С	1000P,	Κ,	16V
C694	ECUX1C104ZFV	C	0.1,	Z,	16V
C695 C696	ECUX1C102KBV ECUX1C104ZFV	C	1000P, 0.1,	K, Z,	16V 16V
C696	ECUX1C104ZFV	c	1000P,	K,	16V
C698	ECUX1C104ZFV	c	0.1,	Z,	16V
C699	ECUX1C102KBV	С	1000P,	K,	16V
C700	ECUX1C104ZFV	С	0.1,	Z,	16V
C701 C702	ECU1H102KBV	C	1000P,	Κ,	50V
C702 C703	ECEV1AA101SP ECU1H102KBV	C	100, 1000P,	κ,	10V 50V
C704	ECUX1C104ZFV	Č	0.1,	Z,	16V
C705	ECU1H102KBV	c	1000P,	ĸ,	50V
C706	ECEV1AA101SP	С	100,		1 <b>0V</b>
C707	ECU1H102KBV	C	1000P,	Κ,	50V
C708 C709	ECEV1AA101SP ECU1H102KBV	C	100, 1000P,	K.	10V 50V
C710	ECUX1C104ZFV	C	0.1.	Z,	16V
C711	ECU1H102KBV	c	1000P,	ĸ,	50V
C712	ECEV1AA101SP	С	100,		10V
C713	ECU1H102KBV	C	1000P,	Κ,	50V
C714 C716	ECUX1C104ZFV ECEV1AA101SP	C	0.1, 100,	Z,	16V 10V
C717	ECUX1C104ZFV	C	0.1,	Z,	16V
C718	ECU1H102KBV	Č	1000P,	ĸ,	50V
C719	ECEV1AA101SP	С	100,		10V
C720	ECUX1C104ZFV	C	0.1,	Z,	16V
C721	ECU1H102KBV	C	1000P,	Κ,	50V
C722 C723	ECEV1AA101SP ECUX1C104ZFV	C	100, 0.1,	Z,	10V 16V
C724	ECU1H102KBV	c	1000P,	Κ,	50V
C725	ECEV1AA101SP	С	100,	•	10V
C726	ECUX1C104ZFV	C	0.1,	Z,	16V
C727	ECU1H102KBV	C	1000P,	К,	50V
C748 C749	ECUX1H470JCV ECUX1H470JCV	C	47P, 47P,	J, J,	50V 50V
C750	ECUX1H470JCV	c	47P,	J,	50V
C751	ECUX1H470JCV	C	47P,	J,	50V
D600	DIODE RB050L40TE25	Diode			
	TRANSISTORS				
Q601	UN2212	Transi	istor		
Q602	UN2212	Transi	istor		
	ICs				
IC600	MN5AA180Z9D	IC			
IC601 IC602	SN74HC74NS20 PM-2MC25MHZ	IC IC			
IC602	CY7C199-15VC	SRAM	1		
IC604	CY7C199-15VC	SRAM			
IC605	TC7S04F	IC			
IC606	SYM53CF96-21	IC			

# **SCSI Board (continued)**

Ref No.	Part No.	Description
IC607	BH9598AFP	IC
IC610	HM5117800BJ7	DRAM
IC611	HM5117800BJ7	DRAM
IC612	HM5117800BJ7	DRAM
IC613	HM5117800BJ7	DRAM
IC614	SN74HC245NS2	IC
IC615	TC7S08FU	IC .
	OTHERS PBAPX258255A XSN25+4FX	SCSI Board
CN600	PCSXE50WSLFD	SCSI Half-pitch Connector
CN601	176438-7	Connector 7P
CN602	176438-7	Connector 7P
CN603	176381-3	Connector 80P
X600	SG615PTJ-50M	Oscillator
X601	SG615PTJ-40M	Oscillator

# **DRIVE Board**

Ref No.	Part No.		Description			
	RESISTORS	1				
R331	ERDS2TJ392	С	3.9k,	J,	1/4W	
R332	ERDS2TJ222	С	2.2k,	J,	1/4W	
R333	ERDS2TJ392	С	3.9k,	J,	1/4W	
R334	ERDS2TJ222	С	2.2k,	J,	1/4W	
R335	ERDS2TJ472	С	4.7k,	J,	1/4W	
R336	ERDS2TJ472	С	4.7k,	J,	1/4W	
R341	ER0S2TKF1101	М	1.10k	F,	1/4W	
R342	ERDS2TJ391	С	390,	J,	1/4W	
R343	ERDS2TJ181	С	180,	J,	1/4W	
R344	MPC710.22K	Resi		,		
FI345	MPC710.22K	Resi				
R351	ERDS2TJ102	С	1k.	J,	1/4W	
R352	ERDS2TJ471	Ċ	470,	J,	1/4W	
R353	ERDS2TJ121	ľč	120.	J.	1/4W	
R354	MPC710,22K	Resi				
R355	MPC710.22K	Resi				
R361	ERDS2TJ122	С	1.2k,	J,	1/4W	
R362	ERDS2TJ681	C	680,	Ĵ,	1/4W	
H363	ERDS2TJ151	Č	150,	J,	1/4W	
R364	MPC710.47K	Resi		-,		
R365	MPC710,47K	Resi				
R373	ERDS2TJ102	C	1k,	J,	1/4W	
R374	ERDS2TJ102	C	ik,	J,	1/4W	
R377	ERDS2TJ103	c	10k,	J,	1/4W	
R378	ERDS2TJ103	č	10k,	J,	1/4W	
R381	EROS2TKF2942	lм	29.4k,	F,	1/4W	
R382	ER0S2CKF1001	lж	1k,	F,	1/4W	
R383	ERX1SJR22P	lж	22,	J,	1/2W	
R384	ERDS2TJ562	ľ	5.6k,	J,	1/4W	
R385	ERDS2TJ272	ľč	2.7k,	J,	1/4W	
R386	ERDS2TJ272	C	1.5,	J,	1/4W	
R387	ERDS2TJ102	C	1k.	J,	1/4W	
	ERDS2TJ102	C	1k,	J,	1/4W	
R391 R392	ERDS2TJ222	C	2.2k,		1/4W	
R394	ERDS2TJ472	C	4.7k,	J, J,	1/4W	
R395	ERDS2TJ472	C			1/4W	
H395	ERDS2TJ472	C	4.7k, 4.7k,	J, J,	1/4W	
	1	C			1/4W	
R472	ERDS2TJ561 ERDS2TJ561	C	560,	J,	1/4W	
R473		1 -	560,	J,	1/4VV 2W	
R476	ERG2SJ102P	M	1k,	J,		
R477	ERG2SJ102P	M	1k,	J,	2W	
R480	ERDS2TJ181	C	180,	J,	1/4W	
R481	ERDS2TJ181	C	180,	J,	1/4W	
R482	ERDS2TJ472	C	4.7k,	J,	1/4W	
R483	ERDS2TJ472	C	4.7k,	J,	1/4W	
R484	ERDS2TJ472	С	4.7k, istor Array	J,	1/4W	
Z391	EXBZ9E103J					

Ref No.	Part No.	Description
0004	CAPACITORS	0 000 0514
C331 C332	35YXF220MT8	C 220, 35V C 0.1, Z 50V
C332	ECFF1H104ZF5 50YXF33M	C 0.1, Z 50V E 33, 50V
C341	ECFF1H104ZF5	C 0.1, Z 50V
C343	ECKF1H472KB5	C 4700p, K, 50V
C344	35YXF220MT8	C 220, 35V
C351	50YXF33M	E 33, 50V
C352	ECFF1H104ZF5	C 0.1, Z 50V
C353	ECKF1H472KB5	C 4700p, K, 50V
C354	35YXF220MT8	C 220, 35V
C361	50YXF33M	E 33, 50V
C362	ECFF1H104ZF5	C 0.1, Z 50V
C363	ECKF1H472KB5	C 4700p, K, 50V
C364	35YXF220MT8	C 220, 35V
C371	ECFF1H104ZF5	C 0.1, Z 50V
C372	35YXF220MT8	C 220, 35V
C373 C374	ECFF1H104ZF5 ECFF1H104ZF5	C 0.1, Z 50V C 0.1, Z 50V
C374	ECFF1H104ZF5	C 0.1, Z 50V
C376	ECFF1H104ZF5	C 0.1, Z 50V
C381	ECKD3A331KBP	C 330p, K, 1kV
C382	35YXF220MT8	C 220, 35V
C383	50YXF220M	C 220, 50V
C391	ECFF1H104ZF5	C 0.1, Z 50V
C392	ECFF1H104ZF5	C 0.1, Z 50V
C393	ECFF1H104ZF5	C 0.1, Z 50V
C394	ECFF1H104ZF5	C 0.1, Z 50V
C482	ECQV1H474JL3	P 0.47, J, 50V
C483	ECQV1H474JL3	P 0.47, J, 50V
L381	COIL RCH110-471K	Choke Coil
l <b></b> .	DIODES	
D331	HZS18-1	Zener Diode
D332	HZS18-1	Zener Diode
Q331 Q332	ERA91-02  TRANSISTORS 2SC3311A 2SC3311A	Transistor Transistor
Q341	UN4221	Transistor with Resistor
Q342	DTB113ZV	transistor
Q351	UN4221	Transistor with Resistor
Q352	DTB113ZV	transistor
Q361	UN4221	Transistor with Resistor
Q362	DTB113ZV	transistor
Q373	2SC3311A	Transistor
Q374	2SC3311A	Transistor
Q377 Q378	2SB947A-P   2SB947A-P	Transistor Transistor
Q376 Q381	2SD2137-P	Transistor
Q391	UN4213	Transistor
Q392	UN4221	Transistor with Resistor
Q393	UN4221	Transistor with Resistor
Q394	UN4221	Transistor with Resistor
IC341	ICs SLA7044MLF87	IC
IC351	SLA7044MLF87	IC
IC361	SLA7044MLF87	IC
IC371	M62353P	D/A Converter
IC381	NJM2360AD	IC
IC391	TC74HC273P	CMOS74HC
1C392	TC74HC273P	CMOS74HC
IC393	TC74HC273P	CMOS74HC
	OTHERS PBAPX2606045 PBMYA0014Z	DRIVE Board Heat Sink
	PBMYA0015Z	Heat Sink

**DRIVE Board (continued)** 

Ref No.	Part No.	Description	
	XNG3BFC	Nut	
	XYN3+J8FX	Screw	
	XYN3+J10FC	Screw	
CN331	128A32P2L14A	Connector 32P	
CN332	S4P-VH	Connector 4P	
CN341	S06B-XASK-1	Connector 5P	
CN351	S07B-XASK-1	Connector 6P	
CN361	S08B-XASK-1	Connector 7P	
CN372	S05B-XASK-1	Connector 4P	
Z341	ICP-N70T104	IC Protector	
2351	ICP-N70T104	IC Protector	
Z361	ICP-N70T104	IC Protector	
Z371	ICP-N70T104	IC Protector	
Z381	ICP-N70T104	IC Protector	
Z382	RXE020	Poly Switch (200mA)	Δ

#### **MOTHER Board**

Ref No.	Part No.		De	escrip	Description			
-	RESISTORS							
R2001	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2002	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2003	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2004	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2005	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2006	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2007	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2008	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2009	ERJ3GEYJ104	Ç	100k,	J,	1/16W			
R2010	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2011	ERJ3GEYJ104	Ç	100k,	J,	1/16W			
R2012	ERJ3GEYJ104	С	100k,	J.	1/16W			
R2013	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2014	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2015	ERJ3GEYJ104	С	100k,	J,	1/16W			
R2016	ERJ3GEYJ104	С	100k,	J.	1/16W			
R2019	ERJ3GEYJ472	С	4.7k,	J,	1/16W			
R2020	ERJ3GEYJ102	C	1k,	Ĵ,	1/16W			
R2021	ERJ3GEYJ102	Ċ	1k,	Ĵ,	1/16W			
R2022	ERJ3GEYJ103	č	10k,	J,	1/16W			
R2023	ERJ3GEYJ472	Č	4.7k,	J,	1/16W			
R2024	ERJ3GEYJ102	c	1k,	Ĵ,	1/16W			
R2025	ERJ3GEYJ102	Č	1k,	J,	1/16W			
R2026	ERJ3GEYJ103	Č	10k.	J,	1/16W			
R2027	ERJ3GEYJ472	Č	4.7k,	J,	1/16W			
R2028	ERJ3GEYJ102	C	1k,	J.	1/16W			
R2029	ERJ3GEYJ102	Č	1k,	J,	1/16W			
R2030	ERJ3GEYJ103	C	10k,	J,	1/16W			
R2031	ERJ3GEYJ472	Č	4.7k,	J,	1/16W			
R2032	ERJ3GEYJ102	č	1k,	J,	1/16W			
R2033	ERJ3GEYJ102	C	1k,	J,	1/16W			
R2034	ERJ3GEYJ103	C	10k,	J,	1/16W			
R2035	ERJ3GEYJ472	č	4.7k,	J,	1/16W			
R2036	ERJ3GEYJ102	C	1k,	J,	1/16W			
R2037	ERJ3GEYJ102	Č	1k,	J,	1/16W			
R2038	ERJ3GEYJ103	Č	10k,	J,	1/16W			
R2039	ERJ3GEYJ472	C	4.7k,	,				
		C		J,	1/16W			
R2040	ERJ3GEYJ102		1k,	J,	1/16W			
R2041	ERJ3GEYJ102	C	1k,	J,	1/16W			
R2042	ERJ3GEYJ103	C	10k,	J,	1/16W			
R2043	ERJ3GEYJ472	C	4.7k,	J,	1/16W			
R2044	ERJ3GEYJ102	C	1k,	J,	1/16W			
R2045	ERJ3GEYJ102	C	1k,	J,	1/16W			
R2046	ERJ3GEYJ103	C	10k,	J,	1/16W			
R2047	ERJ3GEYJ472	C	4.7k,	J,	1/16W			
R2048	ERJ3GEYJ102	C	1k,	J,	1/16W			
R2049	ERJ3GEYJ102	C	1k,	J,	1/16W			
R2050	ERJ3GEYJ103	Ç	10k,	J,	1/16W			
R2051	ERJ3GEYJ102	С	1k,	J,	1/16W			
R2052	ERJ3GEYJ391	С	390,	J,	1/16W			

D. (N)	SN-	Description			
Ref No.	Part No.				
R2053	ERJ6GEYJ331	C	330,	J,	1/10W
R2054 R2055	ERJ6GEYJ331 ERJ6GEYJ331	C	330, 330,	J, J,	1/10W 1/10W
R2056	ERJ6GEYJ331	C	330,	J,	1/10W
R2057	ERJ6GEYJ331	č	330,	J,	1/10W
R2058	ERJ6GEYJ331	С	330,	J,	1/10W
R2059	ERJ6GEYJ331	С	330,	J,	1/10W
R2060	ERJ6GEYJ331	C	330,	J,	1/10W
R2061 R2062	ERJ6GEYJ331 ERJ6GEYJ331	C	330, 330,	J, J,	1/10W 1/10W
R2063	ERJ6GEYJ331	C	330,	J,	1/10W
R2064	ERJ6GEYJ331	C	330,	J,	1/10W
A2065	ERJ6GEYJ331	С	330,	J,	1/10W
R2066	ERJ6GEYJ331	C	330,	J,	1/10W
R2067 R2068	ERJ6GEYJ331 ERJ6GEYJ331	C	330, 330,	J, J,	1/10W 1/10W
R2069	ERJ6GEYJ331	C	330,	J,	1/10W
R2070	ERJ6GEYJ331	С	330,	J,	1/10W
R2071	ERJ3GEYJ472	С	4.7k,	J,	1/16W
R2072	ERJ3GEYJ472	C	4.7k,	J,	1/16W
R2073 R2074	ERJ3GEYJ472 ERJ3GEYJ472	C	4.7k, 4.7k,	J, J,	1/16W 1/16W
R2074	ERJ3GEYJ472	c	4.7k, 4.7k,	J,	1/16W
R2076	ERJ3GEYJ472	Č	4.7k,	J,	1/16W
R2077	ERJ3GEYJ472	С	4.7k,	J,	1/16W
R2078	ERJ3GEYJ472	С	4.7k,	J,	1/16W
R2079	ERJ3GEYJ472 ERJ3GEYJ472	C	4.7k,	J,	1/16W
R2080 R2081	ERJ3GEYJ472	c	4.7k, 4.7k,	J, J,	1/16W 1/16W
R2082	ERJ3GEYJ472	Č	4.7k,	J,	1/16W
R2083	ERJ3GEYJ472	С	4.7k,	J,	1/16W
R2084	ERJ3GEYJ472	C	4.7k,	J,	1/16W
R2085	ERJ3GEYJ472	C	4.7k,	J,	1/16W
R2086 R2087	ERJ3GEYJ472 ERJ6GEYJ331	C	4.7k, 330,	J, J,	1/16W 1/10W
R2088	ERJ6GEYJ331	C	330,	J,	1/10W
R2089	ERJ6GEYJ331	C	330,	J,	1/10W
R2090	ERJ6GEYJ331	C	330,	J,	1/10W
R2091 R2092	ERJ3GEYJ151 ERJ3GEYJ151	C	150, 150,	J, J,	1/16W 1/16W
R2093	ERJ3GEYJ151	Č	150,	J,	1/16W
R2094	ERJ3GEYJ151	С	150,	Ĵ,	1/16W
R2095	ERJ3GEYJ151	С	150,	J,	1/16W
R2096	ERJ3GEYJ151	C	150,	J,	1/16W
R2097 R2098	ERJ3GEYJ151 ERJ3GEYJ151	C	150, 150.	J, J,	1/16W 1/16W
R2099	ERJ3GEYJ151	Č	150,	ا, ال	1/16W
R2100	ERJ3GEYJ151	С	150,	J,	1/16W
R2101	ERJ3GEYJ151	С	150,	J,	1/16W
R2102	ERJ3GEYJ151	C	150,	J,	1/16W
R2103 R2104	ERJ3GEYJ151 ERJ3GEYJ471	C	150, 470,	J, J,	1/16W 1/16W
R2105	ERJ3GEYJ472	c	4.7k,	J,	1/16W
R2106	ERJ3GEYJ104	С	100k,	J,	1/16W
R2107	ERJ3GEYJ472	С	4.7k,	J,	1/16W
R2108 R2109	ERJ3GEYJ472	C	4.7k,	J,	1/16W
R2110	ERJ3GEYJ104 ERJ3GEYJ104	C	100k, 100k,	J, J,	1/16W 1/16W
R2111	ERJ12YJ471	C	470,	J,	1/4W
R2112	ERJ12YJ471	С	470,	J,	1/4W
R2113	ERJ12YJ471	C	470,	J,	1/4W
R2114	ERJ12YJ471	C	470,	J,	1/4W
R2115 R2116	ERJ12YJ471 ERJ3GEYJ471	C	470, 470,	J, J,	1/4W 1/16W
R2117	ERJ6GEYJ181	c	180,	J,	1/10W
R2118	ERJ6GEYJ181	С	180,	Ĵ,	1/10W
R2119	ERJ3GEYJ104	Ç	100k,	J,	1/16W
	1				
	1				
	1	1			

MOTHER	R Board (contin	ued)
Ref No.	Part No.	Description
	CAPACITORS	
C2001	ECUX1E104ZFV	C 0.1, Z, 25V
C2002	ECUX1E104ZFV	C 0.1, Z, 25V
C2003	ECUX1E104ZFV	C 0.1, Z, 25V
C2004	ECUX1E104ZFV	C 0.1, Z, 25V
C2005	ECUX1E104ZFV	C 0.1, Z, 25V
C2006	ECUX1E104ZFV	C 0.1, Z, 25V
C2007	ECUX1E104ZFV	C 0.1, Z, 25V
C2008	ECUX1H102KBV	C 1000P, K, 50V
C2009	ECUX1H102KBV	C 1000P, K, 50V
C2010	ECUX1H102KBV	C 1000P, K, 50V
C2011	ECUX1H102KBV	C 1000P, K, 50V
C2012	ECUX1H102KBV	C 1000P, K, 50V
C2013	ECUX1H102KBV	C 1000P, K, 50V
C2014	ECUX1H102KBV	C 1000P, K, 50V
C2015	ECUX1H102KBV	C 1000P, K, 50V
C2016	ECUX1H102KBV	C 1000P, K, 50V
C2017	ECUX1E104ZFV	C 0.1, Z, 25V
C2018	ECUX1E104ZFV	C 0.1, Z, 25V
C2051	ECEV1EA101UP	C 100, 16V
C2061	ECEV1EA101UP	C 100, 16V
C2062	ECUX1E104ZFV	C 0.1, Z, 25V
C2063	ECUX1E104ZFV	C 0.1, Z, 25V
C2064	ECEV1EA101UP	C 100, 16V
C2065	ECEV1EA101UP	C 100, 16V
C2066	ECEV1EA101UP	C 100, 16V
	DIODES	
D2002	SC016-2TE12	Diode
D2003	SC016-2TE12	Diode
D2004	SC016-2TE12	Diode
D2004	TRANSISTORS	Diode
Q2002	2SC2412K	Transistor
Q2003	2SC2412K	Transistor
Q2004	2SC2412K	Transistor
Q2005	2SC2412K	Transistor
Q2006	2SC2412K	Transistor
Q2007	2SC2412K	Transistor
Q2008	2SC2412K	Transistor
Q2009	2SC2412K	Transistor
Q2010	2SC2412K	Transistor
Q2011	2SC2412K	Transistor
Q2012	2SC2412K	Transistor
Q2013	2SC2412K	Transistor
Q2014	2SC2412K	Transistor
	ICs	
IC2001	SN74HC245NS2	IC IC
IC2002	NJM2901M	IC
IC2002	NJM2901M	IC
IC2004	M62353FP75N	D/A Converter (8ch)
IC2005	M62353FP75N	D/A Converter (8ch)
IC2006	SN74HC245NS2	IC
IC2007	SN74HC245NS2	ic
IC2010	UPC29M12HF	ic
	OTHERS	
	PBAPX2796045	MOTHER Board
CN2001	176379-6	Connector 140P
CN2001	176379-3	Connector 80P
CN2002	128A32S2L14A	Connector 32P
CN2003 CN2004	S09B-XASK-1	Connector 7P
CN2004 CN2005	S04B-XASK-1	Connector 4P
CN2005 CN2007	DF1122DP2DSA	1
		Connector 22P
CN2008	SLD34R-1 26FMZ-BT	Connector 32P
CN2009 CN2010	28FMZ-BT	Connector 26P Connector 28P
CN2010 CN2011	ILS4PS2L2EF	Connector 4P
Z2001	RXE065	Poly Switch (650mA)  Poly Switch (170mA)
Z2002	RXE017	
Z2003	RXE017	Poly Switch (170mA) $\Delta$

PANEL Board					
Ref No.	Part No.	D	escrip	otion	
	RESISTORS		· · · · · ·		
R543	ERDS2TJ332	C 3.3k,	J,	1/4W	
R544	ERDS2TJ103	C 10k,	J,	1/4W	
R545	ERDS2TJ332	C 3.3k,	J,	1/4W	
R546	ERDS2TJ182	C 1.8k,	J,	1/4W	
R547	ERDS2TJ681	C 680,	J,	1/4W	
R548	ERDS2TJ331	C 330,	J,	1/4W	
R549	ERDS2TJ182	C 1.8k,	J,	1/4W	
R550	ERDS2TJ151	C 150,	J,	1/4W	
R551 R552	ERDS2TJ102 ERDS2TJ102	C 1k,	J,	1/4W 1/4W	
R553	ERDS2TJ102	C 1k,	J, J,	1/4W	
R554	ERDS2TJ102	C 1k,	J,	1/4W	
R555	ERDS2TJ102	C 1k.	J,	1/4W	
R556	ERDS2TJ102	C 1k,	J,	1/4W	
R557	ERDS2TJ102	C 1k,	J,	1/4W	
R558	ERDS2TJ102	C 1k,	J,	1/4W	
R559	ERDS2TJ102	C 1k,	J,	1/4W	
R560	ERDS2TJ102	C 1k,	J,	1/4W	
R570	ERD\$2TJ103	C 10k,	J,	1/4W	
R571	ERDS2TJ103	C 10k,	J,	1/4W	
R572	ERDS2TJ103	C 10k,	J,	1/4W	
R573	ERDS2TJ103	C 10k,	J,	1/4W	
Z503 Z505	EXBZ5E103J EXBZ5E103J	Resistor Array Resistor Array			
Z505 Z507	EXBZ5E103J	Resistor Array			
Z507 Z508	EXBZ5E103J	Resistor Array			
12000	EXBEGE 1000	/ Tobletor / Truey			
]	CAPACITORS				
C544	ECQV1H224JL	P 0.22,	J,	50V	
C545	RPE132F104	Capacitor			
C546	RPE132F104	Capacitor			
C547	ECEA1AKS101	E 100,		10V	
C548	RPE132F104	Capacitor			
C549	RPE132F104	Capacitor			
C587 C588	RPE132F104 RPE132F104	Capacitor			
C589	RPE132F104	Capacitor Capacitor			
C369	NFE 132F 104	Capacitoi			
	DIODE				
D513	GL9ED2	LED			
	TRANSISTORS				
Q536	UN4213	Transistor			
Q538	UN4213	Transistor			
Q539	UN4213	Transistor			
	ICs	1			
IC508	SN74HC365N	IC			
IC509	SN74HC365N	IC .			
IC510	RCM7065X-B	Choke Coll			
	OTHERS				
l	OTHERS PBAPX2806045	PANEL Board			
	FFC14AMEP1	Connector			
	C-2005	Spacer			
	XNG2EFX	Nut			
	XYN2+J12FX	Screw			
BZ501	PKM22EPP4002	Buzzer			
CN536	DF11-22DP2DS	Connector 22P			
SW501	EVQ23405R	Switch			
SW502	EVQ23405R	Switch			
SW503	EVQ23405R	Switch			
SW504	EVQ23405R	Switch			
SW505 SW506	EVQ23405R EVQ23405R	Switch Switch			
SW506 SW507	EVQ23405R	Switch			
SW508	EVQ23405R	Switch			
SW509	EVQ23405R	Switch			
SW510	EVQ23405R	Switch			
1	1				

# **CARRIAGE HOME DETECTOR Board**

Ref No.	Part No.	Description
	RESISTORS	
R501	ERD\$2TJ331	C 330, J, 1/4W
R502	ERDS2TJ103	C 10k, J, 1/4W
	CAPACITOR	
C501	RPE132F104	Capacitor
	TRANSISTOR	
Q501	2SC3311A	Transistor
	ıc	
IC501	TLP832	Photointerrupter
	OTHERS	
	PBAPX2816045	CARRIAGE HOME SENSOR Board
CN516	ILS4PS2L2EF	Connector 4P

#### **CCD Board**

Ref No.	Part No.		Description			
	RESISTORS		-			
R1	ERJ3GEYJ470	c	47,	J,	1/16W	
R2	ERJ3GEYJ222	C	2.2k,	J,	1/16W	
R3	ERJ3GEYJ103	C	10k,	J,	1/16W	
R4	ERJ3GEYJ472	C	4.7k,	J,	1/16W	
R5	ERJ3GEYJ561	c	560,	J,	1/16W	
R6	ERJ3GEYJ562	c	5.6k,	J,	1/16W	
R7	ERJ3GEYJ152	c	1.5k,	J,	1/16W	
R8	ERJ3GEYJ470	c	47,	J,	1/16W	
R9	ERJ3GEY0R00	0-ohr	n Jumper			
R10	ERJ3GEYJ102	c	1k,	J,	1/16W	
R11	ERJ3GEYJ102	C	1k,	J,	1/16W	
R14	ERJ3GEYJ470	C	47,	J,	1/16W	
R16	ERJ3GEYJ470	C	47,	J.	1/16W	
R17	ERJ3GEYJ470	l c	47,	J.	1/16W	
F120	ERJ3GEYJ223	Ĉ	22k,	J,	1/16W	
R21	ERJ3GEYJ223	l c	22k,	J,	1/16W	
R31	ERJ3GEYJ470	C	47,	J,	1/16W	
R32	ERJ3GEYJ222	C	2.2k,	J.	1/16W	
R33	ERJ3GEYJ103	C	10k,	J,	1/16W	
R34	ERJ3GEYJ472	Ċ	4.7k,	J,	1/16W	
R35	ERJ3GEYJ561	ľc	560,	J,	1/16W	
R36	ERJ3GEYJ562	c	5.6k,	J,	1/16W	
R37	ERJ3GEYJ152	C	1.5k,	J,	1/16W	
R38	ERJ3GEYJ470	C	47,	J,	1/16W	
R39	ERJ3GEY0R00	1 -	n Jumper	٠,	1, , 511	
R40	ERJ3GEYJ102	C	1k,	J,	1/16W	
R41	ERJ3GEYJ102	ľč	1k,	J,	1/16W	
R44	ERJ3GEYJ470	Č	47,	J,	1/16W	
R46	ERJ3GEYJ470	ľč	47,	J,	1/16W	
R47	ERJ3GEYJ470	C	47,	J,	1/16W	
R51	ERJ3GEYJ220	C	22,	J,	1/16W	
R52	ERJ3GEYJ221	C	220.	J.	1/16W	
R53	ERJ3GEYJ681	C	680.	J.	1/16W	
R54	ERJ3GEYJ102	C	1k,	J,	1/16W	
R55	ERJ6GEYJ270	C	27,	J,	1/10W	
R60	ERJ3GEYJ470	lč	47,	J,	1/16W	
R61	ERJ3GEYJ220	C	22.	J,	1/16W	
R62	ERJ3GEYJ221	C	220.	J,	1/16W	
R63	ERJ3GEYJ681	C	680.		1/16W	
R64	ERJ3GEYJ102	C	•	J,		
	1		1k,	J,	1/16W	
R65	ERJ6GEYJ270 ERJ3GEYJ103	C	27,	J,	1/10W	
R67	1	C	10k,	J,	1/16W	
R68	ERJ3GEYJ681	C	680,	J,	1/16W	
R69	ERJ3GEYJ102	C	1k,	J,	1/16W	
R71	ERJ3GEYJ101		100,	J,	1/16W	
R72	ERJ3GEYJ101	C	100,	J,	1/16W	
R73	ERJ3GEYJ2R2	C	2.2,	J,	1/16W	
R74	ERJ3GEYJ2R2	C	2.2,	J,	1/16W	
R75	ERJ3GEYJ101	C	100,	J,	1/16W	

Ref No.	Part No.		Desci	ription
R76	ERJ3GEYJ101	C 100	, J,	1/16W
R77	ERJ3GEYJ2R2	C 2,2		1/16W
R78	ERJ3GEYJ2R2	C 2.2		1/16W
R79	ERJ3GEYJ101	C 1k		1/16W
R80	ERJ3GEY0R00	0-ohm Jumper		4 (4 0) 4 (
R81 R82	ERJ3GEYJ681 ERJ3GEYJ102	C 680		1/16W 1/16W
R83	ERJ3GEYJ681	C 680		1/16W
R84	ERJ3GEYJ102	C 1k		1/16W
R85	ERJ3GEYJ681	C 680		1/16W
R86	ERJ3GEYJ102	C 1k	, J,	1/16W
R87	ERJ3GEYJ681	C 680		1/16W
R88	ERJ3GEYJ102	C 1k		1/16W
R89	ERJ3GEYJ470	C 47		1/16W
R90 R91	ERJ3GEYJ470 ERJ3GEYJ470	C 47	,	1/16W
R92	ERJ3GEY0R00	0-ohm Jumper		1/16W
R96	ERJ3GEY0R00	0-ohm Jumper		
R97	ERJ3GEY0R00	0-ohm Jumper		
R98	ERJ3GEY0R00	0-ohm Jumper	i	
	CAPACITORS		_	0.514
C1 C2	ECUX1E104ZFV ECUX1E104ZFV	C 0.1		25V
C3	ECEV1CA101P	C 0.1		25V 16V
C4	ECUX1E104ZFV	C 0.1	•	25V
C5	ECUX1E104ZFV	C 0.1		25V
C6	ECEV1CA101P	C 100		16V
C7	ECUX1E104ZFV	C 0.1	. Z,	25V
C8	ECUX1E104ZFV	C 0.1		25V
C9	ECUX1E104ZFV	C 0.1		25V
C10	ECUX1E104ZFV	C 0.1		25V
C11 C13	ECEV1AA101SP	C 100 C 0.1		10V
C14	ECUX1E104ZFV ECEV1AA101SP	C 0.1		25V 10V
C15	ECUX1E104ZFV	C 0.1	•	25V
C16	ECUX1E104ZFV	C 0.1		25V
C31	ECUX1E104ZFV	C 0.1		25V
C32	ECEV1CA101P	C 100		16V
C33	ECUX1E104ZFV	C 0.1		25V
C34	ECUX1E104ZFV	C 0.1		25V
C35 C36	ECUX1E104ZFV ECUX1E104ZFV	C 0.1		25V 25V
C37	ECEV1AA101SP	C 100		10V
C39	ECUX1E104ZFV	C 0.1		25V
C40	ECEVIAA101SP	C 100		10V
C41	ECEV1AA330NP	C 33		10V
C42	ECUX1E104ZFV	C 0.1		25V
C43	ECEV1AA330NP	C 33	•	10V
C44	ECUX1E104ZFV	C 0.1		25V
C45 C46	ECUX1E104ZFV ECUX1E104ZFV	C 0.1		25V
C46	ECUX1E104ZFV	C 0.1		25V 25V
C48	ECUX1E104ZFV	C 0.1		25V 25V
C49	ECEV1AA101SP	C 100		10V
C50	ECUX1E104ZFV	C 0.1		25V
C51	ECUX1E104ZFV	C 0.1		25V
C52	ECUX1E104ZFV	C 0.1		25V
C53	ECEV1AA101SP	C 100		10V
C54	ECUX1E104ZFV	C 0.1		25V
C55 C56	ECEV1AA101SP ECUX1E104ZFV	C 100		10V 25V
C57	ECEV1AA101\$P	C 100		25V 10V
C58	ECUX1E104ZFV	C 0.1		25V
C59	ECUX1E104ZFV	C 0.1		25V
C60	ECUX1E104ZFV	C 0.1		
C61	ECUX1E104ZFV	C 0.1	, Z,	25V
C62	ECUX1E104ZFV	C 0.1		
C63	ECUX1E104ZFV	C 0.1		25V
C64	ECUX1H101JCV	C 100p		50V
C81 C82	ECUX1E104ZFV ECUX1E104ZFV	C 0.1		25V
JUE	LOOK IE IV4ZFV	0.1	, <u>,</u>	25V

#### **CCD Board (continued)**

Ref No.	CCD Board (continued)				
C84         ECUX1H101JCV         C         100p, Z, 50V           C91         ECEV1VA470P         Capacitor           C92         ECEV1VA470P         Capacitor           C93         ECEV1VA470P         Capacitor           C94         ECEV1VA470P         Capacitor           C99         ECUX1E104ZFV         C 0.1, Z, 25V           COILS           L1         LQH4N220K04         Coil           L2         LQH4N220K04         Coil           L3         LQH4N220K04         Coil           L4         LQH4N220K04         Coil           L5         LQH4N220K04         Coil           L6         LQH4N220K04         Coil           L6         LQH4N220K04         Coil           L6         LQH4N220K04         Coil           L6         LQH4N220K04         Coil           L7         LC         Coil           L7         LC         Coil           L6         LQH4N220K04         Coil           L7         LC         Coil           L7         LRSA244062         Diode           Transistor           C2         LMT1A         Transistor	Ref No.	Part No.	Description		
C91					
C92         ECEV1VA470P         Capacitor           C93         ECEV1VA470P         Capacitor           C94         ECEV1VA470P         Capacitor           C99         ECUX1E104ZFV         C 0.1, Z, 25V           CoiLs           L1         L0H4N220K04         Coil           L2         LQH4N220K04         Coil           L3         LQH4N220K04         Coil           L4         LQH4N220K04         Coil           L5         LQH4N220K04         Coil           L5         LQH4N220K04         Coil           L6         L952AS44062         Diode           TRANSISTORS           Q1         2SC2412K         Transistor           Q2         IMT1A         Transistor           Q3         2SC2412K         Transistor           Q4         IMT1A         Transistor           Q5         2SA1037K         Transistor           Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         IC           IC2         LM6171BIM         IC	C84	ECUX1H101JCV	C 100p, Z, 50V		
C93	C91	ECEV1VA470P	Capacitor		
C94         ECEV1VA470P ECUX1E104ZFV         Capacitor C         0.1, Z, 25V           C0ILS         LQH4N220K04 LQH4N220K04         Coil Coil Coil Coil LQH4N220K04         Coil Coil Coil Coil           L3         LQH4N220K04 LQH4N220K04         Coil Coil           L5         LQH4N220K04 LQH4N220K04         Coil Coil           D10DE         Diode           TRANSISTORS         Diode           Q1         2SC2412K IMT1A         Transistor Transistor           Q3         2SC2412K 2SC2412K         Transistor           Q4         IMT1A         Transistor           Q5         2SA1037K         Transistor           Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs         IC           IC1         ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC4N4N20         IC           IC7514F	C92	ECEV1VA470P	Capacitor		
C99	C93	ECEV1VA470P	Capacitor		
COILS	C94	ECEV1VA470P	Capacitor		
L1	C99	ECUX1E104ZFV	C 0.1, Z, 25V		
L2		COILS			
L3	L1	LQH4N220K04	Coll		
L4	L2	LQH4N220K04	Coil		
DIODE	L3	LQH4N220K04	Coil		
DIODE   S1ZAS44062   Diode	L4	LQH4N220K04	Coil		
D1	L5	LQH4N220K04	Coil		
D1		DIODE			
Q1         2SC2412K         Transistor           Q2         IMT1A         Transistor           Q3         2SC2412K         Transistor           Q4         IMT1A         Transistor           Q5         2SA1037K         Transistor           Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs         IC           IC1         ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7514F         IC           IC9         TC7514F         IC           IC10         SN74HC14NS20         IC           CD         SN74HC14NS20         IC           CD         SN74HC14NS20         IC	D1		Diode		
Q1         2SC2412K         Transistor           Q2         IMT1A         Transistor           Q3         2SC2412K         Transistor           Q4         IMT1A         Transistor           Q5         2SA1037K         Transistor           Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs         IC           IC1         ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7514F         IC           IC9         TC7514F         IC           IC10         SN74HC14NS20         IC           CD         SN74HC14NS20         IC           CD         SN74HC14NS20         IC					
Q2         IMT1A         Transistor           Q3         2SC2412K         Transistor           Q4         IMT1A         Transistor           Q5         2SA1037K         Transistor           Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs           IC1         ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7514F         IC           IC9         TC7514F         IC           IC10         SN74HC14NS20         IC           OTHERS           PBAPX2826045         PBAPX2826045         CCD Board           PBHE25Z         Spacer           CN1         SLD34S-1         Connector 34P	ام.	1			
Q3         2SC2412K         Transistor           Q4         IMT1A         Transistor           Q5         2SA1037K         Transistor           Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs           IC1         ILX610         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7S14F         IC           IC9         TC7S14F         IC           IC10         SN74HC14NS20         IC           OTHERS         PBAPX2826045         CCD Board           PBHE25Z         Spacer           CN1         SLD34S-1         Connector 34P					
Q4         IMT1A         Transistor           Q5         2SA1037K         Transistor           Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs           IC1         ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7S14F         IC           IC9         TC7S14F         IC           IC10         SN74HC14NS20         IC           OTHERS         PBAPX2826045         CCD Board           PBHE25Z         Spacer           SLD34S-1         Connector 34P					
Q5         2SA1037K         Transistor           Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs           IC ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7S14F         IC           IC9         TC7S14F         IC           IC10         SN74HC14NS20         IC           OTHERS           PBAPX2826045         CCD Board           PBHE25Z         Spacer           SLD34S-1         Connector 34P					
Q6         2SC2412K         Transistor           Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs           IC1         ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7514F         IC           IC9         TC7S14F         IC           IC10         SN74HC14NS20         IC           OTHERS           PBAPX2826045         PBAPX2826045           PBHE25Z         Spacer           CN1         SLD34S-1         Connector 34P			*		
Q7         2SA1037K         Transistor           Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs           IC1         ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7514F         IC           IC9         TC7514F         IC           IC10         SN74HC14NS20         IC           OTHERS           PBAPX2826045         CCD Board           PBHE25Z         Spacer           SLD34S-1         Connector 34P					
Q8         2SC2412K         Transistor           Q9         IMB1A         Digital Transistor           ICs         ICs         IC ICS           IC1         ILX510         IC           IC2         LM6171BIM         IC           IC3         SN74HC4066NS         IC           IC4         LM6171BIM         IC           IC5         M52992FP         IC           IC6         SN74HC14NS20         IC           IC7         SN74HC04NS20         IC           IC8         TC7514F         IC           IC9         TC7514F         IC           IC10         SN74HC14NS20         IC           OTHERS         PBAPX2826045         CCD Board           PBHE25Z         Spacer           CN1         SLD34S-1         Connector 34P	1				
C9					
ICs	1	· ·			
IC1	Q9	IMB1A	Digital Transistor		
IC2					
IC3					
IC4			, <del>-</del>		
IC5			'=		
IC6			1		
IC7	9				
IC8		SN74HC14NS20			
IC9		SN74HC04NS20	l ic		
IC10 SN74HC14NS20 IC  OTHERS PBAPX2826045 CCD Board PBHE25Z Spacer CN1 SLD34S-1 Connector 34P	IC8	TC7S14F	lic		
OTHERS  PBAPX2826045 CCD Board  PBHE25Z Spacer  CN1 SLD34S-1 Connector 34P	IC9	TC7S14F	IC .		
PBAPX2826045 CCD Board PBHE25Z Spacer CN1 SLD34S-1 Connector 34P	IC10	SN74HC14NS20	IC		
PBHE25Z Spacer CN1 SLD34S-1 Connector 34P		OTHERS			
CN1 SLD34S-1 Connector 34P	[	PBAPX2826045	CCD Board		
	i	PBHE25Z	Spacer		
CN2 PBS4B-PH Connector 4P	CN1	SLD34S-1	Connector 34P		
	CN2	PBS4B-PH	Connector 4P		

## **RETARD POSITION DETECTOR Board**

Ref No.	Part No.		Description			
	RESISTORS					
R503	ERDS2TJ331	С	330,	J,	1/4W	
R504	ERDS2TJ103	С	10k,	J,	1/4W	
	CAPACITOR					
C502	RPE132F104	Capac	citor			
	TRANSISTOR					
Q502	2SC3311A	Trans	istor			
	l _{IC}					
IC502	TLP832	Photo	interrupter			
	OTHERS					
	PBAPX2836045	RETA	RD POSIT	ION SE	NSOR Board	
CN517	PBILS5PS2L2		actor 5P	1014 02		
Ono.,	, Billoti Olli	00/11/10	30101 01			

## **DOUBLE FEED DETECTOR (R) Board**

		OTOK (K) Board			
Ref No.	Part No.	Description			
	RESISTORS				
R533	ERDS2TJ392	C 3.9k, J, 1/4W			
R534	ERDS2TJ104	C 100k, J, 1/4W			
R535	ERDS2TJ393	C 39k, J, 1/4W			
R536	ERDS2TJ823	C 82k, J, 1/4W			
R537	ERDS2TJ124	C 120k, J, 1/4W			
R538	ERDS2TJ153	C 15k, J, 1/4W			
R539	ERDS2TJ822	C 8.2k, J, 1/4W			
R540	ERDS2TJ104	C 1000k, J, 1/4W			
R541	ERDS2TJ153	C 15k, J, 1/4W			
R542	ERDS2TJ102	C 1k, J, 1/4W			
	CAPACITORS				
C536	ECQB1H103JF3	P 0.01, J, 50V			
C537	ECQV1H104JL3	P 0.1, J, 50V			
C538	ECQV1H104JL3	P 0.1, J, 50V			
C539	ECQB1H222JF	P 2200p, J, 50V			
C540	ECQB1H103JF3	P 0.01, J, 50V			
C541	ECQV1H104JL3	P 0.1, J, 50V			
C542	ECQB1H103JF3	P 0.01, J, 50V			
C543	ECEA1EKS100	E 10, 25V			
	DIODE				
D512	MA165	Diode			
	IC				
IC507	NJM2082D	Operational Amp.			
CN535 X502	OTHERS PBAPX2846045 PBHRA0201Z PBILS6PS2T2 MA40S4R	DOUBLE FEED DETECTOR (R) Board Spacer Connector 6P Diode			

## **DOUBLE FEED DETECTOR (G) Board**

Ref No.	Part No.	Description				
ļ	RESISTORS	<u> </u>				
5500		0 000 1 1/104				
R528	ERDS2TJ822	C 8.2k, J, 1/4W				
R529	ERDS2TJ222	C 2.2k, J, 1/4W				
R530	ERDS2TJ103	C 10k, J, 1/4W				
R531	ERDS2TJ102	C 1k, J, 1/4W				
R532	ERDS2TJ103	C 10k, J, 1/4W				
	CAPACITORS					
C535	RPE132F104	Capacitor				
C553	ECEA1EKS100	E 10, 25V				
C554	ECEA1VKS100	Capacitor				
l	TRANSISTORS					
Q531	2SC3311A	Transistor				
Q532	2SA1309A	Transistor				
Q533	2SC3311A	Transistor				
Q534	2SC3311A	Transistor				
Q535	UN4213	Transistor				
	OTHERS					
	PBAPX2856045	DOUBLE FEED DETECTOR (T) Board				
	PBHRA0201Z	1				
CN534		Spacer SP				
	PBILS8PS2T2	Connector 8P				
X501	MA40S4S	Oscillator				

# **STARTING POSITION SENSOR Board**

Ref No.	Part No.		Description			
	RESISTORS					
R505	ERDS2TJ103	C	10k,	J,	1/4W	
R506	ERDS2TJ102	С	1k,	J,	1/4W	
R507	ERDS2TJ223	С	22k,	J,	1/4W	

# STARTING POSITION SENSOR Board (continued)

Ref No.	Part No.	Description
R508	ERDS2TJ222	C 2.2k, J, 1/4W
R509	ERDS2TJ103	C 10k, J, 1/4W
	CAPACITORS	
C503	ECQB1H103JF3	P 0.01, J, 50V
C504	ECQB1H103JF3	P 0.01, J, 50V
C505	RPE132F104	Capacitor
C506	ECEA1EKS100	E 10, 25V
C507	ECBT1H102KB5	E 4.7, 35V
C508	ECBT1H102KB5	E 4.7, 35V
C509	RPE132F104	Capacitor
C571	ECBT1C122MR5	C 1200, 16V
	DIODE	
D515	MA165	Diode
	TRANSISTORS	
Q503	2SA1309A	Transistor
Q504	2SC3311A	Transistor
Q505	PN168	Phototransistor
Q506	2SC3311A	Transistor
	OTHERS	
	PBAPX2866045	TOP SENSOR Board
	PBHRA0055Z	Spacer
CN519	PBILS6PS2L2	Connector 6P
CN520	PBILS7PS2L2	Connector 7P

## **STARTING POSITION LED Board**

Ref No.	Part No.	Description
D501	DIODE TLN119	LED
CN518	OTHERS PBAPX2876045 LH-5-2 S5B-PH	TOP LED Board Spacer Connector 5P

## SIZE SENSOR Board

Ref No.	Part No.		De	escript	tion	
	RESISTORS					
R510	ERDS2TJ103	С	10k,	J,	1/4W	
R511	ERDS2TJ103	С	10k,	J,	1/4W	
R512	ERDS2TJ103	С	10k,	J,	1/4W	
R513	ERDS2TJ103	С	10k,	J,	1/4W	
R514	ERDS2TJ103	С	10k,	J,	1/4W	
R515	ERDS2TJ103	С	10k,	J,	1/4W	
R516	ERDS2TJ103	C	10k,	J,	1/4W	
R517	ERDS2TJ103	С	10k,	J,	1/4W	
R518	ERDS2TJ103	С	10k,	J,	1/4W	
	CAPACITORS					
C510	ECBT1H102KB5	E	4.7,		35V	
C511	ECBT1H102KB5	E	4.7,		35V	
C512	ECBT1H102KB5	Æ	4.7,		35V	
C513	ECBT1H102KB5	E	4.7,		35V	
C514	ECBT1H102KB5	ΙE	4.7,		35V	
C515	ECBT1H102KB5	E	4.7,		35V	
C516	ECBT1H102KB5	E	4.7,		35V	
C517	ECBT1H102KB5	E	4.7,		35V	
C518	ECBT1H102KB5	E	4.7,		35V	
C519	ECBT1H102KB5	E	4.7,		35V	
C520	ECBT1H102KB5	E	4.7,		35V	
C521	ECBT1H102KB5	E	4.7,		35V	
C522	ECBT1H102KB5	E	4.7,		35V	
C523	ECBT1H102KB5	£	4.7,		35V	

D-CN-	David No.	D	- 41
Ref No.	Part No.	Descri	otion
C524	ECBT1H102KB5	E 4.7,	35V
C525	ECBT1H102KB5	E 4.7,	35V
C526	ECBT1H102KB5	E 4.7,	35V
C527	ECBT1H102KB5	E 4.7,	35V
C551	RPE132F104	Capacitor	
C552	RPE132F104	Capacitor	
C573	ECBT1C122MR5	E 4.7,	35V
C574	ECBT1C122MR5	E 4.7,	35V
C575	ECBT1C122MR5	E 4.7,	35V
C576 .	ECBT1C122MR5	E 4.7,	35V
C577	ECBT1C122MR5	E 4.7,	35V
C578	ECBT1C122MR5	E 4.7,	35V
C579	ECBT1C122MR5	E 4.7,	35V
C580	ECBT1C122MR5	E 4.7,	35V
C581	ECBT1C122MR5	E 4.7,	35V
	TRANSISTORS		
Q507	PN168	Phototransistor	
Q508	2SC3311A	Transistor	
Q509	PN168	Phototransistor	
Q510	2SC3311A	Transistor	
Q511	PN168	Phototransistor	
Q512	2SC3311A	Transistor	
Q513	PN168	Phototransistor	
Q514	2SC3311A	Transistor	
Q515	PN168	Phototransistor	
Q516	2SC3311A	Transistor	
Q517	PN168	Phototransistor	
Q518	2SC3311A	Transistor	
Q519	PN168	Phototransistor	
Q520	2SC3311A	Transistor	
Q521	PN168	Phototransistor	
Q522	2SC3311A	Transistor	
Q523	PN168	Phototransistor	
Q524	2SC3311A	Transistor	
	OTHERS		
	PBAPX2886045	SIZE SENSOR Board	
	PBHRA0055Z	Spacer	
CN521	DF11-16DP2DS	Connector 16P	
011021	5. 11 1001 200	55,3100101 101	

## SIZE LED Board

	Ref No.	Part No.	Description
		DIODES	
1	D502	TLN119	LED
	D503	TLN119	LED
	D504	TLN119	LED
	D505	TLN119	LED
	D506	TLN119	LED
	D507	TLN119	LED
	D508	TLN119	LED
	D509	TLN119	LED
	D510	TLN119	LED
		OTHERS	
		PBAPX2896045	SIZE LED Board
		PBHRA0055Z	Spacer
	CN524	DF11-10DP2DS	Connector 10P

# **ENDING POSITION SENSOR Board**

Ref No.	Part No.		Description		
R527	RESISTOR ERDS2TJ103	С	10k, J,	1/4W	

# **ENDING POSITION SENSOR Board (continued)**

Ref No.	Part No.	Des	Description		
C532	CAPACITORS ECBT1H102KB5	E 1000p,	50V		
C533	RPE132F104	Capacitor	30 V		
C534	ECBT1H102KB5	E 1000p,	50V		
C572	ECBT1C122MR5	E 1200p,	50V		
	TRANSISTORS				
Q529	PN168	Phototransistor			
Q530	2SC3311A	Transistor			
CN531	OTHERS PBAPX2906045 LH-5-2 PBB7B-PH	EXIT SENSOR Board Spacer Connector 7P			
CN532	В8В-РН	Connector 8P			

## **ENDING POSITION LED Board**

Ref No.	Part No.	Description	
D511	DIODE TLN119	LED	
CN525 CN526	OTHERS PBAPX2916045 PBHMA0170Z PBHRA0055Z S5B-PH PBS4B-PH	EXIT LED Board Ground Plate Spacer Connector 6P Connector 4P	

# **RELAY (SIDE) Board**

Ref No.	Part No.		D	escrip	tion	
R561	RESISTOR ERDS2TJ101	С	100,	J,	1/4W	
C555	CAPACITOR ECQV1H474JL3	P	0.47,	J,	50V	
CN509 CN510 CN511 CN512 CN514	OTHERS PAUX37802 PBAPX2926045 DF1124DP2DSA DF11-10DPDSA ILS7PS2T2EF B8B-PH ILS5PS2T2EF	Conn Conn Conn Conn	SY (SIDE) E ector 24P ector 10P ector 7P ector 8P ector 5P	3oard		

#### **HOPPER HOME SENSOR Board**

Ref No.	Part No.		Description				
	RESISTORS						
R525	ERDS2TJ331	С	330,	J,	1/4W		
R526	ERDS2TJ103	С	10k,	J,	1/4W		
	CAPACITOR						
C531	RPE132F104	Capac	itor				
	TRANSISTOR						
Q528	2SC3311A	Transi	stor				
	lic						
IC506	TLP832	Photo	nterrupter				
	OTHERS						
	PBAPX2936045	HOPP	ER HOME	SENS	OR Board		
CN529	5597-04APB		ctor 4P	- ''-	· · · · · · · · · · · · · · · ·		
CN530	PBB7B-PH	Conne	ctor 7P				

#### **DOCUMENT DETECTOR Board**

Ref No.	Part No.	Description
	CAPACITOR	
C570	RPE132F104	Capacitor
	ıc	
IC511	RPR359FM	IC
	OTHERS	
	PBAPX2956045	DOCUMENT DETECTOR Board
	LH-5-2	Spacer
CN537	5597-04APB	Connector 4P
CN538	PBS4B-PH	Connector 4P

# **DOCUMENT COVER SENSOR Board**

Ref No.	Part No.	Description
	RESISTORS	
R521	ERD\$2TJ331	C 330, J, 1/4W
R522	ERDS2TJ103	C 10k, J, 1/4W
	CAPACITOR	
C529	RPE132F104	Capacitor
	TRANSISTOR	
Q526	2SC3311A	Transistor
	ıc	
IC504	TLP832	PhotoInterrupter
	OTHERS	
	PBAPX2976045	DOCUMENT COVER Board
CN527	РВВ4В-РН	Connector 4P

# **RELAY (BACK) Board**

Ref No.	Part No.	Description
	RESISTORS	
R519	ERDS2TJ331	C 330, J, 1/4W
R520	ERDS2TJ103	C 10k, J, 1/4W
	CAPACITORS	
C528	RPE132F104	Capacitor
C582	RPE132F104	Capacitor
C583	RPE132F104	Capacitor
C584	RPE132F104	Capacitor
C585	RPE132F104	Capacitor
C586	RPE132F104	Capacitor
	TRANSISTOR	
Q525	2SC3311A	Transistor
	I IC	
IC503	TLP832	Photointerrupter
	OTHERS	
	PBAPX2996045	RELAY (BACK) Board
CN501	28FMZ-BT	Connector 28P
CN502	PBILS8PS2T2	Connector 8P
CN503	DF11-12DP2DS	Connector 12P
CN504	26FMZ-ST	Connector 26P
CN505	DF11-24DP2DS	Connector 24P
CN513	S6B-PH	Connector 6P
CN515	S5B-PH	Connector 5P
CN522	DF1116DP2DSA	Connector 16P
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## **POWER Board**

C806 250SXR470-30 E 470, 250V △ C807 50YXF10M C 10, 50V C809 50YXF47M E 47, 50V C810 ECQB1H391JF3 P 390p, J, 50V C811 ECQV1H224JL P 0.22, J, 50V C813 ECKATS103MF Capacitor C814 ECQB1H682JF3 P 6800p, J, 50V C815 ECQB1H473JF3 P 0.047, J, 50V C816 ECA2GHG4R7 E 4.7, 35V C817 ECQE4103KF3 Capacitor C818 ECQE6154KF Capacitor C825 ECA1HHG2R2 E 2.2, 50V	Ref No.	Part No.	Description				
R802			_				
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R806							
R809							
R810		1			۷,	1,744	
R812			С	5.6,	J,	1/4W	
R813	R811	ERDS1TJ330		33,	J,		·
R815 EROS2TKF4701 M 4.70k, F, 1/4W R817 ERDS2TJ033 C 10k, J, 1/4W R817 ERDS2TJ033 C 33k, J, 1/4W R817 ERDS2TJ081 C 680, J, 1/4W R820 ERG2SJ150P M 15, J, 2W R821 ERG2SJ104 M 100k, J, 2W ERDS2TJ033 C 47k, J, 1/2W R825 ERDS1TJ473 C 47k, J, 1/2W R826 ERDS1TJ473 C 10k, J, 1/4W R832 ERDS2TJ103 C 10k, J, 1/4W R832 ERDS2TJ103 C 10k, J, 1/4W R841 ERDS2TJ103 C 10k, J, 1/4W ERDS2TKF9101 M 9.10k, F, 1/4W R844 EROS2TKF9101 M 9.10k, F, 1/4W R845 ERDS2TJ102 C 1k, J, 1/4W ERDS2TJ102 C 1k, J, 1/4W R846 ERDS2TJ110 C 120, J, 1/4W R846 ERDS2TJ110 C 120, J, 1/4W R847 ERDS2TJ110 C 120, J, 1/4W R858 ERDS2TJ121 C 120, J, 1/4W R858 ERDS2TJ121 C 120, J, 1/4W R858 ERDS2TJ103 C 10k, J, 1/4W R859 ERDS2TJ103 C 10k, J, 1/4W R859 ERDS2TJ103 C 10k, J, 1/4W R856 ERDS2TJ103 C 10k, J, 1/4W R856 ERDS2TJ103 C 10k, J, 1/4W R856 ERDS2TJ103 C 10k, J, 1/4W R857 ERDS2TJ103 C 10k, J, 1/4W R858 ERDS2TJ103 C 10k, J, 1/4W R857 ERDS2TJ103 C 10k, J, 1/4W R857 ERDS2TJ103 C 10k, J, 1/4W R857 ERDS2TJ103 C 10k, J, 1/4W R857 ERDS2TJ103 C 10k, J, 1/4W R857 ERDS2TJ103 C 10k, J, 1/4W R857 ERDS2TJ330 C 33, J, 1/4W R857 ERDS2TJ330 C 33, J, 1/4W R857 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ470 C 47, J, 1/4W R873 ERDS2TJ470 C 47, J, 1/4W R874 ERGS2TKF4701 M 1.10k, F, 1/4W R875 ERDS2TJ470 C 47, J, 1/4W R876 ERDS2TJ470 C 10k, J, 1/4W R876 ERDS2TJ470 C 10k, J, 1/4W R888 ERX12SJR33 M 33, J, 1/2W R861 ERX12SJR33 M 33, J, 1/2W R861 ERX12SJR33 M 33, J, 1/2W R861 ERX12SJR33 M 33, J, 1/2W R861 ERX12SJR34 M 33, J, 1/2W R861 ERX12SJR35 M 33, J, 1/2W R861 ERX12SJR35 M 33, J, 1/2W R861 ERX12SJR35 M 33, J, 1/2W R861 ERX12SJR36 M 33, J, 1/2W R861 ERX12SJR37 M 33, J, 1/2W A 34, J, 1/4W A 34, J, 1/4W A 34,	1				•		
R816 ERDS2TJ103 C 10K, J, 1/4W R817 ERDS2TJ333 C 33K, J, 1/4W R820 ERG2SJ150P M 15, J, 2W R821 ERG2SJ160P M 15, J, 2W R821 ERG2SJ109 M 100K, J, 2W R826 ERDS1TJ473 C 47K, J, 1/2W R826 ERDS1TJ473 C 47K, J, 1/2W R826 ERDS1TJ473 C 10K, J, 1/4W R832 ERDS2TJ103 C 10K, J, 1/4W R841 ERDS2TJ103 C 10K, J, 1/4W R841 ERDS1TJ472 C 4.7k, J, 1/2W R843 ERDS2TJ103 C 10K, J, 1/4W R845 ERDS2TJ102 C 1k, J, 1/4W R845 ERDS2TJ102 C 1k, J, 1/4W R846 ERDS2TJ121 C 120, J, 1/4W R848 ERDS2TJ121 C 120, J, 1/4W R848 ERDS2TJ121 C 120, J, 1/4W R851 ERDS2TJ102 C 1k, J, 1/4W R851 ERDS2TJ102 C 1k, J, 1/4W R851 ERDS2TJ102 C 1k, J, 1/4W R852 ERDS2TJ103 C 10K, J, 1/4W R853 ERDS2TJ103 C 10K, J, 1/4W R854 ERDS2TJ103 C 10K, J, 1/4W R855 ERDS2TJ103 C 10K, J, 1/4W R856 ERDS2TJ103 C 10K, J, 1/4W R856 ERDS2TJ103 C 10K, J, 1/4W R856 ERDS2TJ103 C 10K, J, 1/4W R856 ERDS2TJ103 C 10K, J, 1/4W R856 ERDS2TJ103 C 10K, J, 1/4W R856 ERDS2TJ103 C 10K, J, 1/4W R856 ERDS2TJ103 C 10K, J, 1/4W R857 ERDS2TJ103 C 10K, J, 1/4W R859 ERDS2TJ103 C 10K, J, 1/4W R859 ERDS2TJ103 C 10K, J, 1/4W R859 ERDS2TJ103 C 10K, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R862 ERDS2TJ103 C 10K, J, 1/4W R863 ERDS2TJ330 C 33, J, 1/4W R862 ERDS2TJ103 C 10K, J, 1/4W R863 ERDS2TJ330 C 33, J, 1/4W ERDS2TJ470 C 47, J, 1/4W R864 ERDS2TJ470 C 47, J, 1/4W R865 ERDS2TJ100 C 10K, J, 1/4W R866 ERDS2TJ330 C 33, J, 1/4W ERDS2TJ470 C 47, J, 1/4W R866 ERDS2TJ330 C 10K, J, 1/4W R867 ERDS2TJ470 C 47, J, 1/4W R868 ERDS2TJ330 C 33, J, 1/2W R869 ERDS2TJ330 C 33, J, 1/2W R869 ERDS2TJ330 C 33, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERDS2TJ470 C 47, J, 1/4W ERD							
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R844	R841	ERDS1TJ472	С	4.7k,	J,	1/2W	
R845 R846 R846 RBDS2TJ102 R847 R847 ERDS2TJ102 C 120, J, 1/4W R848 ERDS2TJ102 C 1k, J, 1/4W R848 ERDS2TJ112 C 120, J, 1/4W R848 ERDS2TJ112 C 120, J, 1/4W R851 R851 MPC710,1K R851 R852 ERDS2TJ272 C 2,7k, J, 1/4W R853 ERDS2TJ103 C 10k, J, 1/4W R855 ERDS2TJ103 C 10k, J, 1/4W R855 ERDS2TJ103 C 10k, J, 1/4W R855 ERDS2TJ103 C 10k, J, 1/4W R856 ERDS2TKF1001 R857 ERDS2TKF1101 R859 ERDS2TKF1101 R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 39, J, 1/4W R861 ERX12SJR33 M 33, J, 1/2W R862 EROS2TKF4001 M 4.70k, F, 1/4W R871 ERDS2TJ470 C 47, J, 1/4W R871 ERDS2TJ470 C 47, J, 1/4W R872 ERDS2TJ332 C 10k, J, 1/4W R873 ERDS2TJ332 C 3,3k, J, 1/4W R874 ERG1SJ470P M 47, J, 1/4W R875 ERDS2TJ472 C 4.7k, J, 1/4W R876 ERDS2TJ472 C 4.7k, J, 1/4W R881 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/4W R875 ERDS2TJ472 C 4.7k, J, 1/4W R876 ERDS2TJ472 C 4.7k, J, 1/4W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8861 ERX12SJR33 M 33, J, 1/2W R8961 ERX12SJR33 M 33, J, 1/2W R8961 ERX12SJR33 M 33, J, 1/2W R8961 ERX12S		1	l	-			
R846 ERDS2TJ121 C 120, J, 1/4W R847 ERDS2TJ102 C 11k, J, 1/4W R848 ERDS2TJ102 C 11k, J, 1/4W R851 ERDS2TJ102 C 120, J, 1/4W R851 MPC710,1K Resistor 5W R852 ERDS2TJ103 C 10k, J, 1/4W R853 ERDS2TJ103 C 10k, J, 1/4W R855 ERDS2TJ103 C 10k, J, 1/4W R855 ERDS2TJ103 C 10k, J, 1/4W R855 ERDS2TJ103 C 10k, J, 1/4W R856 ERDS2TJ103 C 30, J, 1/4W R857 EROS2TKF101 M 1.10k, F, 1/4W R859 ERDS2TJ330 C 39, J, 1/4W R859 ERDS2TJ330 C 39, J, 1/4W R859 ERDS2TJ330 C 39, J, 1/4W R869 ERDS2TJ330 C 39, J, 1/4W R869 ERDS2TJ330 C 39, J, 1/4W R861 ERX12SJR33 M 33, J, 1/2W R862 EROS2TKF1001 M 1k, F, 1/4W R871 ERDS2TJ470 C 47, J, 1/4W R872 ERDS2TJ470 C 47, J, 1/4W R872 ERDS2TJ470 C 47, J, 1/4W R873 ERDS2TJ32 C 3.3k, J, 1/4W R873 ERDS2TJ32 C 3.3k, J, 1/4W R874 ERG1SJ470P M 47, J, 1 W R875 ERDS2TJ472 C 4.7k, J, 1/4W R876 ERDS2TJ472 C 4.7k, J, 1/4W R876 ERDS2TJ470 C 12, J, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886 EROS2TKF1001 M 1k, F, 1/4W R886	1						
R847 ERDS2TJ102 C 11k, J, 1/4W R848 ERDS2TJ121 C 120, J, 1/4W R851 MPC710,1K Resistor 5W R852 ERDS2TJ103 C 10k, J, 1/4W R853 ERDS2TJ103 C 10k, J, 1/4W R854 ERDS2TJ101 C 120, J, 1/4W R855 ERDS2TJ103 C 10k, J, 1/4W R856 ERDS2TJ103 C 10k, J, 1/4W R857 EROS2TKF3901 M 3.30k, F, 1/4W R858 ERDS2TJ330 C 33, J, 1/4W R858 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ330 C 39, J, 1/4W R861 ERX12SJR33 M 33, J, 1/2W R862 EROS2TKF4701 M 4.70k, F, 1/4W R871 ERDS2TJ470 C 47, J, 1/4W R872 ERDS2TJ103 C 10k, J, 1/4W R873 ERDS2TJ332 C 3.3k, J, 1/4W R874 ERDS2TJ470 C 47, J, 1/4W R875 ERDS2TJ470 C 47, J, 1/4W R876 ERDS2TJ470 M 47, J, 1/4W R8776 ERDS2TJ472 C 10k, J, 1/4W R876 ERDS2TJ472 C 12, J, 1/4W R8863 EROS2TKF1001 M 1k, F, 1/4W R876 ERDS2TJ470 M 47, J, 1/4W R876 ERDS2TJ470 M 47, J, 1/4W R876 ERDS2TJ470 M 47, J, 1/4W R876 ERDS2TJ470 C 12, J, 1/4W R8876 ERDS2TJ470 C 12, J, 1/4W R877 ERDS2TJ470 C 12, J, 1/4W R878 ERDS2TJ470 C 12, J, 1/4W R879 ERDS2TJ470 C 12, J, 1/4W R871 ERDS2TJ470 C 12, J, 1/4W R872 ERDS2TJ470 C 12, J, 1/4W R873 ERDS2TJ470 C 12, J, 1/4W R874 ERG1SJ470P M 47, J, 1/4W R875 ERDS2TJ470 C 12, J, 1/4W R876 ERDS2TJ470 C 12, J, 1/4W R876 ERDS2TJ470 C 12, J, 1/4W R876 ERDS2TJ470 C 12, J, 1/4W R876 ERDS2TJ470 C 12, J, 1/4W R881 ERX12SJR33 M 33, J, 1/2W R882 EROS2TKF1001 M 1k, F, 1/4W R881 ERX12SJR33 M 33, J, 1/2W R882 EROS2TKF1001 M 1k, F, 1/4W R881 ERX12SJR33 M 33, J, 1/2W R882 EROS2TKF1001 M 5, 50 C Capacitor C803 ECKATS222ME C Capacitor C804 PA224-ZC P 0.22, AC 125V Δ C805 250SXR470-30 E 470, 250V Δ C806 250SXR470-30 E 470, 250V Δ C807 50YXF10M C 10, 50V C809 50YXF47M E 47, 50V C810 ECQB1H391JF3 P 390p, J, 50V C811 ECQB1H682JF3 P 6600p, J, 50V C816 ECA2GH64R7 E 4.7, 35V C816 ECA2GH64R7 E 4.7, 35V C816 ECA2GH64R7 E 4.7, 35V C816 ECA2GH64R7 E 4.7, 35V C817 ECQE4103KF3 Capacitor C825 ECA1HHG2R2 E 2.2, 50V			_				
R848         ERDS2TJ121         C         120, J, 1/4W           R851         MPC710,1K         Resistor 5W           R852         ERDS2TJ272         C         2.7k, J, 1/4W           R853         ERDS2TJ103         C         10k, J, 1/4W           R854         ERDS2TJ103         C         10k, J, 1/4W           R855         ERDS2TJ103         C         10k, J, 1/4W           R856         ERDS2TKF3301         M         3.30k, F, 1/4W           R857         EROS2TKF1101         M         1.10k, F, 1/4W           R859         ERDS2TJ330         C         33, J, 1/4W           R859         ERDS2TJ390         C         39, J, 1/4W           R861         ERX12SJR33         M         33, J, 1/2W           R862         EROS2TKF4701         M         4.70k, F, 1/4W           R863         EROS2TKF1001         M         1k, F, 1/4W           R872         ERDS2TJ320         C         47, J, 1/4W           R873         ERDS2TJ320         C         3.3k, J, 1/4W           R874         ERDS2TJ472         C         4.7k, J, 1/4W           R876         ERDS2TJ472         C         4.7k, J, 1/4W           R881         ER		ł	_		-		
R852	R848	i	C		-	1/4W	
R853 R854 R854 ERDS2TJ121 C 120, J, 1/4W R855 ERDS2TJ103 C 10k, J, 1/4W R856 ERDS2TKF3301 R856 EROS2TKF3301 R857 EROS2TKF1101 R857 EROS2TKF1101 R858 ERDS2TJ330 C 33, J, 1/4W R858 ERDS2TJ330 C 33, J, 1/4W R859 ERDS2TJ390 C 39, J, 1/4W R861 ERX12SJR33 M 33, J, 1/2W R862 EROS2TKF4701 R863 EROS2TKF1001 R871 ERDS2TJ470 C 47, J, 1/4W R871 ERDS2TJ470 C 47, J, 1/4W R872 ERDS2TJ470 C 47, J, 1/4W R873 ERDS2TJ332 C 3.3k, J, 1/4W R874 ERG1SJ470P M 47, J, 1/4W R875 ERDS2TJ472 C 4.7k, J, 1/4W R876 ERDS2TJ472 C 4.7k, J, 1/4W R876 ERDS2TJ472 C 4.7k, J, 1/4W R881 ERX12SJR33 M 33, J, 1/2W R881 ERX12SJR33 M 33, J, 1/2W R882 EROS2TKF1001 R881 ERX12SJR33 M 33, J, 1/2W R883 EROS2TKF4701 M 1k, F, 1/4W CAPACITORS C801 PA224-ZC P 0.22, AC 125V A C802 ECKATS222ME C803 ECKATS222ME C804 PA224-ZC C P 0.22, AC 125V A C806 250SXR470-30 E 470, 250V A C807 C807 C807 C8089 50YXF10M C 10, 50V C809 50YXF10M C 10, 50V C809 50YXF47M E 47, 50V C810 ECQB1H391JF3 P 390p, J, 50V C811 ECQV1H224JL P 0.22, J, 50V C812 C813 ECKATS103MF C814 ECQB1H682JF3 C816 ECA2GHG4R7 C825 ECA1HHG2R2 E 2.2, 50V		,					
R854	1				-		
R855					•		
R856	1		1				
R858 R859 R859 R861 R861 ERDS2TJ390 C 39, J, 1/4W R861 ERX12SJR33 R862 EROS2TKF4701 R863 EROS2TKF4701 R8671 ERDS2TJ470 C 47, J, 1/4W R872 ERDS2TJ103 C 10k, J, 1/4W R873 ERDS2TJ332 C 3.3k, J, 1/4W R874 ERG1SJ470P R875 ERDS2TJ472 C 4.7k, J, 1/4W R875 ERDS2TJ472 C 4.7k, J, 1/4W R876 ERDS2TJ472 C 12, J, 1/4W R881 ERX12SJR33 M 33, J, 1/2W R882 EROS2TKF1001 R883 EROS2TKF4701 M 4.70k, F, 1/4W R883 EROS2TKF4701 M 4.70k, F, 1/4W R883 EROS2TKF4701 M 4.70k, F, 1/4W CAPACITORS C801 C802 ECKATS222ME C803 ECKATS222ME C804 PA224-ZC P 0.22, AC 125V A C805 C805 C805XR470-30 E C806 C807 50YXF10M C C809 50YXF47M E 470, 250V A C809 50YXF47M E 470, 250V A C809 50YXF47M E 470, 250V A C809 50YXF47M E 470, 250V A C809 50YXF47M C C801 ECQB1H391JF3 C811 ECQV1H224JL C813 ECKATS103MF C814 ECQB1H682JF3 P 6800p, J, 50V C815 ECQB1H473JF3 C816 ECA2GHG4H7 E C42c Capacitor Capacitor CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITORS CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPA	i .	ER0S2TKF3301	М			1/4W	
R859 R861 ERX12SJR33 R862 ER0S2TKF4701 R863 ER0S2TKF1001 R871 ERDS2TJJ470 R872 ERDS2TJJ470 R873 ERDS2TJJ470 R874 ERG1SJ470P R875 ERDS2TJJ472 R876 ERDS2TJJ472 R876 ERDS2TJJ20 R881 ERX12SJR33 R882 EROS2TKF1001 R883 EROS2TKF1001 R883 EROS2TKF4701 R876 R877 R877 R878 R878 R881 ERX12SJR33 R882 ER0S2TKF1001 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R883 ER0S2TKF4701 R874 R874 R874 R874 R874 R874 R874 R874							
R861	1						
R862	1						
R863	1			,			
R872	A863	ER0S2TKF1001	М	1k,	F,		
R873	1				•		
R874	1		1				
R875         ERDS2TJ472         C         4.7k, J, 1/4W           R876         ERDS2TJ120         C         12, J, 1/4W           R881         ERX12SJR33         M         33, J, 1/2W           R882         EROS2TKF1001         M         1k, F, 1/4W           R883         EROS2TKF4701         M         4.70k, F, 1/4W           CAPACITORS           C801         PA224-ZC         P         0.22, AC 125V         Δ           C802         ECKATS222ME         Capacitor         Δ           C803         ECKATS222ME         Capacitor         Δ           C804         PA224-ZC         P         0.22, AC 125V         Δ           C805         250SXR470-30         E         470, 250V         Δ           C806         250SXR470-30         E         470, 250V         Δ           C807         50YXF10M         C         10, 50V         50V           C810         ECQB1H391JF3         P         390p, J, 50V         50V           C811         ECQB1H682JF3         P         0.22, J, 50V         Δ           C815         ECQB1H682JF3         P         6800p, J, 50V         50V           C816         ECA2GHG4R7	1	1	1				
R881	ł .						
R882	1		_	-			
R883         ER0S2TKF4701         M         4.70k,         F,         1/4W           CAPACITORS           C801         PA224-ZC         P         0.22,         AC 125V         ∆           C802         ECKATS222ME         Capacitor         ∆         ∆           C803         ECKATS222ME         Capacitor         ∆         ∆           C804         PA224-ZC         P         0.22,         AC 125V         ∆           C805         250SXR470-30         E         470,         250V         ∆           C806         250SXR470-30         E         470,         250V         ∆           C807         50YXF10M         C         10,         50V           C809         50YXF47M         E         47,         50V           C810         ECQB1H391JF3         P         390p.         J,         50V           C811         ECQV1H224JL         P         0.22,         J,         50V           C813         ECKATS103MF         Capacitor         ∆         ∆           C814         ECQB1H682JF3         P         6800p.         J,         50V           C816         ECA2GHG4R7         E         4.7	1			-			
CB01         PA224-ZC         P         0.22,         AC 125V         △           C802         ECKATS222ME         Capacitor         △         △           C803         ECKATS222ME         Capacitor         △         △           C804         PA224-ZC         P         0.22,         AC 125V         △           C805         250SXR470-30         E         470,         250V         △           C806         250SXR470-30         E         470,         250V         △           C807         50YXF10M         C         10,         50V           C809         50YXF47M         E         47,         50V           C810         ECQB1H391JF3         P         390p.         J,         50V           C811         ECQV1H224JL         P         0.22,         J,         50V           C813         ECKATS103MF         Capacitor         △         △           C814         ECQB1H682JF3         P         6800p.         J,         50V           C816         ECA2GHG4R7         E         4.7,         35V           C817         ECQE4103KF3         Capacitor         Capacitor           C818         ECQE6154KF					_		
C801         PA224-ZC         P         0.22,         AC 125V         △           C802         ECKATS222ME         Capacitor         △         △           C803         ECKATS222ME         Capacitor         △         △           C804         PA224-ZC         P         0.22,         AC 125V         △           C805         250SXR470-30         E         470,         250V         △           C806         250SXR470-30         E         470,         250V         △           C807         50YXF10M         C         10,         50V         C           C809         50YXF47M         E         47,         50V         C           C810         ECQB1H391JF3         P         390p,         J,         50V         C           C811         ECQV1H224JL         P         0.22,         J,         50V         C           C813         ECKATS103MF         Capacitor         △         △         △           C814         ECQB1H682JF3         P         6800p,         J,         50V         △           C816         ECA2GHG4R7         E         4.7,         35V         C         Capacitor         Capacitor	N003	LN0321N14701	IVI	4.70K,	1.	(/-444	
C802				0.00		40 40514	٨
C803	1		1	-		AU 125V	<u>A</u>
C804 PA224-ZC P 0.22, AC 125V △ C805 250SXR470-30 E 470, 250V △ C806 250SXR470-30 E 470, 250V △ C807 50YXF10M C 10, 50V C809 50YXF47M E 47, 50V C810 ECQB1H391JF3 P 390p, J, 50V C811 ECQV1H224JL P 0.22, J, 50V C813 ECKATS103MF Capacitor C814 ECQB1H682JF3 P 6800p, J, 50V C816 ECQB1H473JF3 P 0.047, J, 50V C816 ECA2GHG4R7 E 4.7, 35V C817 ECQE4103KF3 Capacitor C818 ECQE6154KF Capacitor C825 ECA1HHG2R2 E 2.2, 50V		1					
C805 250SXR470-30 E 470, 250V △ C806 250SXR470-30 E 470, 250V △ C807 50YXF10M C 10, 50V C809 50YXF47M E 47, 50V C810 ECQB1H391JF3 P 390p, J, 50V C811 ECQV1H224JL P 0.22, J, 50V C813 ECKATS103MF Capacitor C814 ECQB1H682JF3 P 6800p, J, 50V C815 ECQB1H473JF3 P 0.047, J, 50V C816 ECA2GHG4R7 E 4.7, 35V C817 ECQE4103KF3 Capacitor C818 ECQE6154KF Capacitor C825 ECA1HHG2R2 E 2.2, 50V		1				AC 125V	$\Delta$
C806 250SXR470-30 E 470, 250V △ C807 50YXF10M C 10, 50V C809 50YXF47M E 47, 50V C810 ECQB1H391JF3 P 390p, J, 50V C811 ECQV1H224JL P 0.22, J, 50V C813 ECKATS103MF Capacitor C814 ECQB1H682JF3 P 6800p, J, 50V C815 ECQB1H473JF3 P 0.047, J, 50V C816 ECA2GHG4R7 E 4.7, 35V C817 ECQE4103KF3 Capacitor C818 ECQE6154KF Capacitor C825 ECA1HHG2R2 E 2.2, 50V	1		1 -				$\Delta$
C807 50YXF10M C 10, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 35V E 47, 35V E 47, 35V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E 47, 50V E	1			•			
C810         ECQB1H391JF3         P         390p, J, 50V           C811         ECQV1H224JL         P         0.22, J, 50V           C813         ECKATS103MF         Capacitor         △           C814         ECQB1H682JF3         P         6800p, J, 50V           C815         ECQB1H473JF3         P         0.047, J, 50V           C816         ECA2GHG4R7         E         4.7, 35V           C817         ECQE4103KF3         Capacitor           C818         ECQE6154KF         Capacitor           C825         ECA1HHG2R2         E         2.2, 50V			С				
C811         ECQV1H224JL         P         0.22, J,         50V           C813         ECKATS103MF         Capacitor         △           C814         ECQB1H682JF3         P         6800p, J,         50V           C815         ECQB1H473JF3         P         0.047, J,         50V           C816         ECA2GHG4R7         E         4.7,         35V           C817         ECQE4103KF3         Capacitor         Capacitor           C818         ECQE6154KF         Capacitor         Capacitor           C825         ECA1HHG2R2         E         2.2,         50V	1	***************************************	_				
C813         ECKATS103MF         Capacitor         △           C814         ECQB1H682JF3         P         6800p, J,         50V           C815         ECQB1H473JF3         P         0.047, J,         50V           C816         ECA2GHG4R7         E         4.7,         35V           C817         ECQE4103KF3         Capacitor         Capacitor           C818         ECQE6154KF         Capacitor         Capacitor           C825         ECA1HHG2R2         E         2.2,         50V	1		1 '				
C814 ECQB1H682JF3 P 6800p, J, 50V C815 ECQB1H473JF3 P 0.047, J, 50V C816 ECA2GHG4R7 E 4.7, 35V C817 ECQE4103KF3 Capacitor C818 ECQE6154KF Capacitor C825 ECA1HHG2R2 E 2.2, 50V		1	1 -		. Ј,	507	Λ
C815 ECQB1H473JF3 P 0.047, J, 50V C816 ECA2GHG4R7 E 4.7, 35V C817 ECQE4103KF3 Capacitor C818 ECQE6154KF Capacitor C825 ECA1HHG2R2 E 2.2, 50V					.l	50V	
C816         ECA2GHG4R7         E         4.7,         35V           C817         ECQE4103KF3         Capacitor           C818         ECQE6154KF         Capacitor           C825         ECA1HHG2R2         E         2.2,         50V			1 -	• •			
C818	•		·Ε	-	•		
C825 ECA1HHG2R2 E 2.2, 50V							
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TUBBO TECKIBATOTKE TO TOOK K 12V	C825 C830	ECA1HHG2H2 ECKD3A101KB	C	2.2, 100p,	K,	50V 1kV	
C831 ECQV1H104JL3 P 0.1, J, 50V	L		1 -	•			
C833 35YXF220MT8 C 220, 35V	C833	35YXF220MT8	)	220,	•	35V	
C841 35YXF2200MKC E 2200, 35V	C841	35YXF2200MKC	E	2200,		35V	

Ref No.	Part No.	Description	
C843	ECQV1H104JL3	P 0.1, J, 50V	
C844	ECQV1H104JL3	P 0.1, J, 50V	
C851	35YXF2200MKC	E 2200, 35V	
C852	10YXF1000MT8	C 1000, 10V	
C853	ECQB1H472JF	P 4700p, J, 50V	
C854	ECKD3A101KB	C 100p, K, 1kV	
C855	ECQV1H104JL3	P 0.1, J, 50V	
C856 C857	35YXF220MT8 35YXF220MT8	C 220, 35V C 220, 35V	
C858	10YXF1000MT8	C 1000. 10V	
C859	ECKD3A221KBP	C 220p, K, 1kV	
C870	50YXF33M	E 33, 50V	
C871	50YXF10M	E 10, 50V	
C881	35YXF220MT8	C 220, 35V	
C882	10YXF1000MT8	C 1000, 10V	
C884 C886	ECKD3A221KBP 35YXF220MT8	C 220p, K, 1kV C 220, 35V	
C000	331 XI 220M10	220, 337	
	COILS		
L801	ELF15N017A	Coil	
L802	ELF15N017A	Coil	<b>△</b> <b>△</b> <b>△</b>
L803	ETQR37C006A	FL Transformer	Δ
L842	AB4-2-4.5W	Amorphous Bead	
L843	AB4-2-4.5W	Amorphous Bead Common-mode Choke Coil	
L851 L852	HK10S080-121 RCH110-221K	Choke Coil	
L881	RCH110-221K	Choke Coil	
	DIODES	B to Block	Δ
D801 D804	D3SBA60-4101 ERA91-02	Brige Diode   Diode	213
D806	RD27ESAB4	Zener Diode	
D807	ERA91-02	Diode	
D808	ERB44-10G1	Diode	
D810	RD5.1ESAB2	Zener Diode	
D816	ERB44-10G1	Diode	
D833	MA165	Diode	
D841 D843	10DL2CZ47A MA165	Diode	
D843	RD27ESAB4	Zener Diode	
D850	1GWJ43	Diode	
D851	YG802C06R	Dìode	
D853	MA165	Diode	
D854	RD5.1ESAB2	Zener Diode	
D855	MA165   RD12ESAB3	Diode   Zener Diode	
D856 D857	MA165	Diode	
D858	MA165	Diode	
D859	RD5.1ESAB2	Zener Diode	
D863	MA165	Dlode	
D864	RD12ESAB3	Zener Diode	
D866	MA165	Diode	
D870 D871	MA165 MA165	Diode   Diode	
D871	D1N60	Diode	
D881	1GWJ43	Diode	
D882	RD5.1ESAB2	Zener Diode	
D885	MA165	Diode	
D886	MA165 RD5.1ESAB2	Diode Zener Diode	
D887	nuo. IESABZ	Zaliai Dinas	
	TRANSISTORS	}	
Q801	2SK2651-01MR	Power MOS FET	Δ
Q851	2SJ175	Power MOS FET	
Q852 Q870	2SD1423A-SR 2SC3311A	Transistor Transistor	
4370	20000117	ratioisiui	
	ICs	1	
ICB01	FA5311PA	IC	A
IC802	MK1210-4105	IC	Δ
IC831	UPC2933HF	IC	

## **POWER Board (continued)**

Ref No.	Part No.	Description	'
IC832	UPC1944J	Shunt Regulator	
IC841	HA17431PA	Shunt Regulator	
IC851	MC34063AP1	Switching Regulator	
1C852	NJM78M05FA	lic	
IC853	NJM2360AD	l IC	į
IC881	NJM2360AD	l IC	
IC882	NJM79M05FA	IC	
	OTHERS		
	PBAPX3276045	POWER Board	Δ
	PBMYA0011Z	Heat Sink	
	TJC6320	Fuse Holder	
	FA35-9051	Insulate Sheft	
	PAUX37802	Ground Lug	
	PH-0124C-M	Heat Sink	
	XNG3BFX	Nut	
	XYN3+8JFX	Screw	
al land	XYN3+J10FX	Screw	
CN801	B2P3-VH	Connector 2P	
CN843 CN851	B04B-XASK-1 B09B-XASK-1	Connector 4P Connector 9P	
CN851	B3B-EH	Connector 3P	
	1	Fuse	Λ
F801	PB2153.15	Fuse	$\overline{\wedge}$
F841	PB215004		∆
PC801	PC123FY2	Photocoupler	<u>~</u>
PC802	PC123FY2	Photocoupler	<u>~</u>
SA801	DSAZR2-362M	Surge Absorber	<u> </u>
T801	ETS29AH1A5AC	FL Transformer	Δ
TH801	N100L12325JF	Resistor	23
Z851	ICP-N50T104	IC Protector	
Z852	ICP-N50T104	IC Protector	
Z881	ICP-N50T104	IC Protector	Λ
ZNR801	470NS10D-K0	Varistor	<b>△ △ △ △</b>
ZNR802	240NS10D-301	Varistor	<u>~</u> `
ZNR803	240NS10D-301	Varistor	<i>4</i> 12
ZNR804	240NS10D-301	Varistor	<u> </u>
ZNR806	470NS10D-K0	Varistor	۲۵

